

A ♦ S ♦ M ♦ E
YEAR BOOK
1918



To the Members of
THE AMERICAN SOCIETY OF
MECHANICAL ENGINEERS:

THE YEAR BOOK OF 1918 contains the names of 8,720 members of the Society, an increase of 1,016 over the number listed in the volume for 1917. This is the largest addition to the membership that has ever occurred in the period of one year. The professional records of these new members have all complied with the extraordinarily high requirements of the revised constitution and every member will take pride in the professional strength and increased power for service which has thus accrued to the organization.

The number of changed addresses in the present Year Book is about twice as great as usual, owing to the war conditions. Members in every part of the country are entering the service or engaging in new occupations connected

The Year Book for 1918 has been corrected to have been entered upon our records in the office. If your Book incorrect *and who have not notified the Secretary*, fill in and mail at once the accompanying blank

CHANGE OF

TO THE SECRETARY, AM. SOC. M. E.,
29 West 39th Street, New York

Please change my entry in the Year Book

Print or typewrite if possible

.....
Name. Po

.....
Street address of firm.

.....
Street address of home.

Underline the

SERVICE

.....
Name.

.....
Department, Corps, etc.

.....
Stat

.....
Address for mail. Ci

January 1st. Corrections received since that date
Those who find their addresses in the Year
of the change since January 1st are requested to

ADDRESS

.....191.....

City

Far Book to:

on.

Firm name.

ty.

State.

ty.

State.

mail address

RECORD

Rank.

Grade.

Company, Regiment, etc.

ed at

Fort, Camp, etc.

State.

with the production of munitions. To date 910 members have been reported as having joined the ranks of the Army or Navy. The names of those in the service are preceded by a * in the Year Book.

Every member of the Society is entitled to a copy of the Year Book free of charge. Additional copies 50 cents. Price to non-members \$1.00 per copy.

On the inside is a blank for the convenience of members in notifying the Secretary of change of address. In using this blank please note the directions carefully.

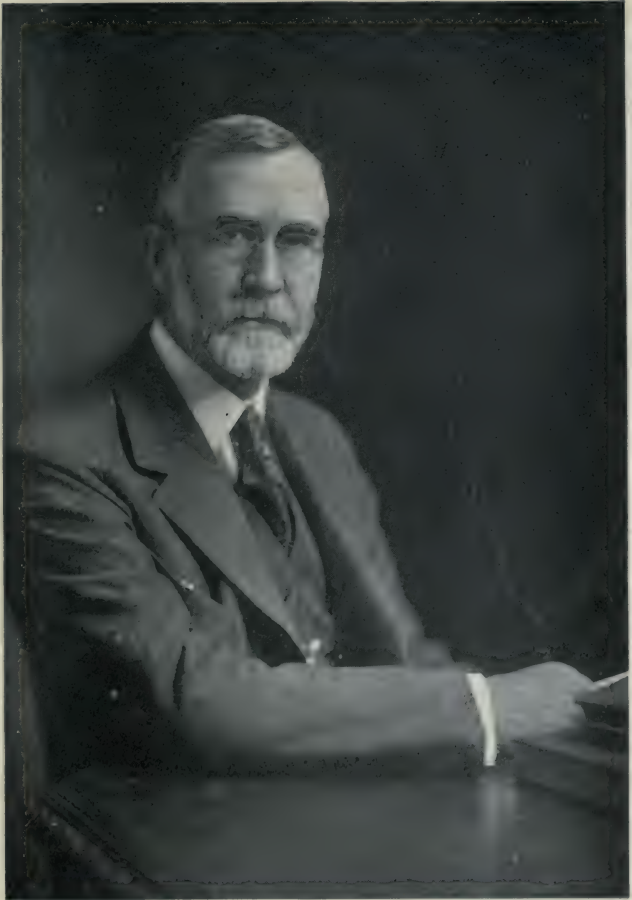
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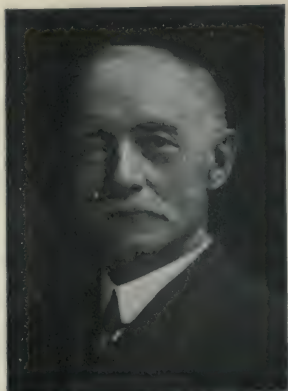
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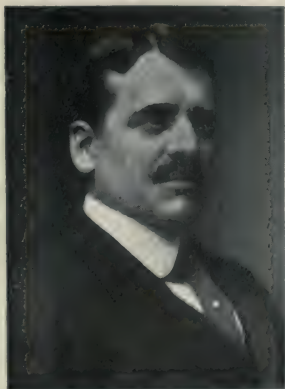
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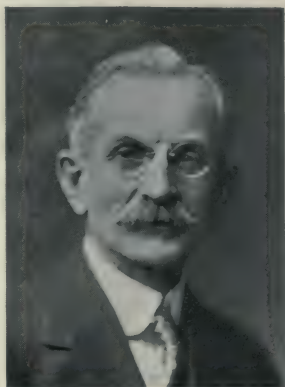
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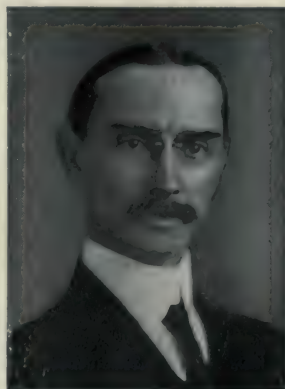
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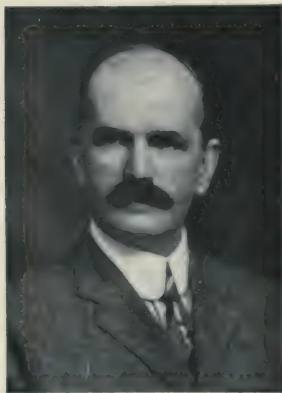
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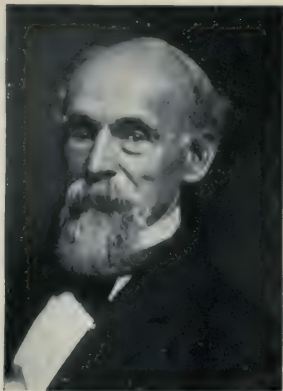
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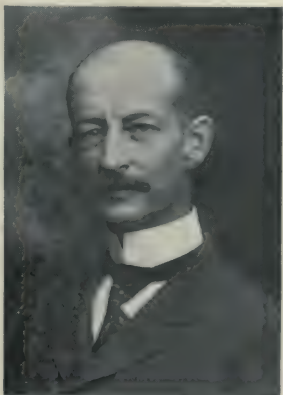
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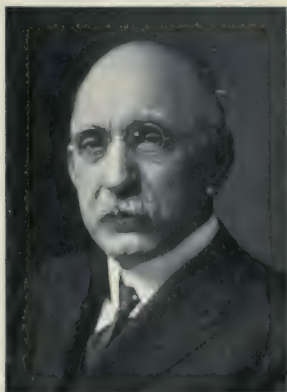
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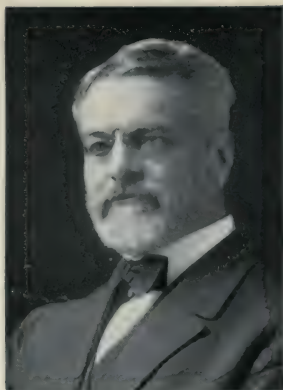
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YEAR BOOK

CONTAINING LISTS OF MEMBERS
ARRANGED ALPHABETICALLY
AND GEOGRAPHICALLY

CORRECTED TO JANUARY 1, 1918



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1918

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THE NATIONAL ANTHROPOLOGICAL ARCHIVES
WASHINGTON, D. C. 20560

YEAR BOOK

OF THE
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AND
THE NATIONAL MUSEUM



1901

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1901

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ANNUAL MEETING, NEW YORK, December 3-6, 1918.

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NEW YORK, second Tuesdays, October to May, 8:15 p. m.

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THE LIBRARY OF THE ENGINEERING SOCIETIES, on the thirteenth floor of the Engineering Societies Building, includes the libraries of the American Society of Civil Engineers, The American Institute of Mining Engineers, The American Society of Mechanical Engineers, and the American Institute of Electrical Engineers. The Library is open on week days, from 9 a. m. to 10 p. m., except on Christmas Eve, and Christmas, New Year's Eve, and New Year's, Thanksgiving Day and Independence Day.

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LOCAL SECTIONS OF THE SOCIETY—(Cont.)

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E. H. LOCKWOOD, <i>Secretary</i>	J. A. NORCROSS
L. P. BRECKENRIDGE	

Connecticut, Waterbury Branch

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S. J. HOEXTER, <i>Secretary</i>	R. HUFF
E. C. FISHER	

Erie

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H. E. BRETT	

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E. A. WILHELM, <i>Secy.-Treas.</i>	

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R. T. BURWELL	

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W. C. BRINTON	E. J. PRINDLE

Ontario

R. W. ANGUS, <i>Chairman</i>	C. R. BURT
C. B. HAMILTON, JR., <i>Secretary</i>	L. H. FLETMEYER
G. V. AHARA	

Philadelphia

L. F. MOODY, <i>Chairman</i>	W. R. JONES
J. P. MUDD, <i>Secretary</i>	H. B. TAYLOR
E. B. CARTER	

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E. FLAD

W. A. HOFFMAN
H. R. SETZ

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W. W. BIRD

W. H. DAMON
G. N. JEPSON
F. W. PARKS

Officers of Affiliated Society

PROVIDENCE ENGINEERING SOCIETY

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GEORGE A. CARPENTER, <i>First Vice-Pres.</i>	WM. A. KENNEDY, <i>Secretary</i>
WAYLAND T. ROBERTSON, <i>Second Vice-Pres.</i>	ALBERT E. THORNLEY, <i>Treas.</i>

OFFICERS OF THE STUDENT BRANCHES

Institution	Date Authorized by Council	Honorary Chairman	Chairman and Secretary
Arkansas, University of, Fayetteville, Ark. . . .	1910	B. N. Wilson	{ J. C. Moody { R. L. Belknap
Armour Institute of Tech., Chicago, Ill. . . .	1909	W. Trinks	{ K. A. Taylor { V. A. Kerr
Bucknell University, Lewisburg, Pa.	1916	F. E. Burpee	{ L. W. Siple { H. R. Pars
California, University of, Berkeley, Cal.	1912	J. N. LeConte	{ F. C. Holman { A. Kidwell
Carnegie Institute of Tech., Pittsburgh, Pa. . .	1913	W. Trinks	{ E. F. Obert { G. R. Brandin
Case School of Applied Science, Cleveland, O. . .	1913	F. H. Vose	{ A. S. McArt { C. B. Hawkins
Cincinnati, University of, Cincinnati, O.	1909	John T. Faig	{ H. Wolsdorf { C. Koehler
(Colo.) State Agri. Col- lege, Fort Collins, Colo. .	1914	L. D. Crain	{ Ed. Johnson { Russell James
Colorado, University of, Boulder, Colo.	1914	J. A. Hunter	{ H. T. Sears { H. O. Croft
Columbia University, New York	1909	C. E. Lucke	{ To be appointed { To be appointed
Cornell University, Ith- aca, N. Y.	1908	R. C. Carpenter	{ To be appointed { To be appointed
Georgia School of Tech., Atlanta, Ga.	1915	J. S. Coon	{ To be appointed { To be appointed
Illinois, University of, Urbana, Ill.	1909	C. R. Richards	{ H. C. Dieserud { J. J. Kalivoda
Iowa, State University of, Iowa City, Iowa. . .	1913	S. M. Woodward	{ O. H. Beyer { C. L. Severin
Johns Hopkins Univer- sity, Baltimore, Md. . . .	1917	A. G. Christie	{ K. O. Bitter { S. J. Shamberger
Kansas State Agri. Col- lege, Manhattan, Kan. . .	1914	W. W. Carlson	{ J. R. Sparks { Clifford Knisely
Kansas, University of, Lawrence, Kan.	1909	F. H. Sibley	{ H. M. Stagg { H. C. Van Houten
Kentucky, State Univer- sity of, Lexington, Ky. . .	1911	F. Paul Anderson	{ T. E. Peak { H. L. Milward
Lehigh University, South Bethlehem, Pa.	1911	P. B. deSchweinitz . . .	{ W. R. Penman { N. Dmytrow, Jr.
Leland Stanford Jr. Uni- versity, Stanford Univ., Cal.	1909	W. F. Durand	{ W. E. Helmick { J. H. Robinson

OFFICERS OF THE STUDENT BRANCHES— (Cont.)

Institution	Date Authorized by Council	Honorary Chairman	Chairman and Secretary
Louisiana State University, Baton Rouge, La.	1916	A. Guell	{ T. S. Gunby { J. A. Nadler
Maine, University of, Orono, Me.	1910	W. J. Sweetser	{ I. L. Newman { D. F. Theriault
Massachusetts Inst. of Tech., Boston, Mass. .	1909	E. F. Miller	{ Albert Saunders { Stuart H. Caldwell
Michigan Agricultural College, East Lansing, Mich.	1917	G. W. Bissell	{ H. L. Froelich { H. M. Sass
Michigan, University of, Ann Arbor, Mich. . . .	1914	J. E. Emswiler	{ Wm. McKinley { Karl Bintz
Minnesota, University of, Minneapolis, Minn. . . .	1913	J. J. Flather	{ D. L. Taylor { Paul Francis
Missouri, University of, Columbia, Mo.	1909	H. Wade Hibbard. .	{ L. N. Thompson { K. K. King
Nebraska, University of, Lincoln, Neb.	1909	L. F. Seaton	{ L. M. Saltow { R. B. Saxon
New York University, New York, N. Y.	1909	C. E. Houghton . . .	{ H. Lowenstein { F. Groepler
Ohio State University, Columbus, O.	1911	Wm. T. Magruder. .	{ Paul Bucher { F. E. Smyser
Oklahoma, University of, Norman, Okla.	1917	J. H. Felgar	{ Edw. H. Reeves { Paul B. Stockwell
Oregon Agricultural College, Corvallis, Ore. . .	1917	G. A. Covell	{ A. Leech { W. K. Ford
Pennsylvania State College, State College, Pa.	1909	J. O. Keller, Acting	{ To be appointed { H. W. Parthesius
Pittsburgh, University of, Pittsburgh, Pa.	1917	John Weber	{ D. T. Kuhn { G. L. West
Polytechnic Institute of Brooklyn, Brooklyn, N. Y.	1909	W. D. Ennis	{ Chas. L. Schweizer { Nathan N. Wolpert
Purdue University, Lafayette, Ind.	1909	G. A. Young	{ L. D. Atkins { O. W. Kastens
Rensselaer Polytechnic Institute, Troy, N. Y. . .	1910	A. M. Greene, Jr. . .	{ R. P. Kolb { R. A. Marriott
Stevens Institute of Technology, Hoboken, N. J.	1908	A. C. Humphreys. .	{ R. S. Mileham { L. V. Aquadro
Syracuse University, Syracuse, N. Y.	1911	W. E. Ninde	{ M. T. Whitney { T. B. Howland
Throop College of Technology, Pasadena, Cal.	1914	W. H. Adams	{ Ralph T. Taylor { R. Alter

OFFICERS OF THE STUDENT BRANCHES— (Cont.)

Institution	Date Authorized by Council	Honorary Chairman	Chairman and Secretary
Tufts College, Tufts College, Mass.	1917	G. C. Anthony....	{ Frank J. O'Mara { C. I. Smith
Virginia Polytechnic Institute, Blacksburg, Va.	1915	L. S. Randolph....	{ W. T. Kearsley { E. W. Digges
Washington University, St. Louis, Mo.	1911	A. F. Berger.....	{ E. L. Werner { Wm. Koenig
Washington, University of, Seattle, Wash.	1917	E. O. Eastwood....	{ E. E. Bissett { Fairman B. Lee
Wisconsin, University of, Madison, Wis.	1909	A. E. Berggren....	{ F. J. Roberts { K. G. Shiels
Worcester Polytechnic Institute, Worcester, Mass.	1914	W. W. Bird.....	{ R. C. Lewis { H. P. Fairfield
Yale University, New Haven, Conn.	1910	L. P. Breckenridge.	{ R. Wier, Jr. { W. R. Herod

GENERAL INFORMATION

THE SOCIETY, ITS OBJECTS AND ACTIVITIES

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS was founded in 1880 "to promote the arts and sciences connected with engineering and mechanical construction." The Society endeavors to accomplish this object through its meetings, general and section, held periodically throughout the United States; its publications—The Journal and Transactions—which are distributed free to its membership, to libraries in exchange and to others by subscription; its large number of committees, working to develop the Society's usefulness in the mechanical-engineering profession; and its library, located in New York City, but available to engineers throughout the country through the medium of the Library Service Bureau, a special library mail service.

HEADQUARTERS

The headquarters of The American Society of Mechanical Engineers is in the Engineering Societies Building, 29 West 39th Street, New York, situated midway between Fifth and Sixth Avenues, near the Public Library, and a short distance from and midway between the Grand Central Terminal and the Pennsylvania Station.

The Engineering Societies Building is owned jointly by the American Society of Civil Engineers, the American Institute of Mining Engineers, The American Society of Mechanical Engineers, and the American Institute of Electrical Engineers, the four national engineering societies, known as the Founder Societies. Its erection, and that of the Engineers' Club which adjoins, was made possible through the generosity of Mr. Andrew Carnegie, Honorary Member, who in 1903 contributed \$1,500,000 for the purpose. The Founder Societies purchased the land on which the Engineering Societies Building stands and the Engineers' Club the land for its building.

The Engineering Societies Building was completed and opened in 1907 and was enlarged in 1917. It is sixteen stories high, has a frontage of 115 feet and is 90 feet deep. On the third and fourth floors is an auditorium seating 1,000 persons, and on the fifth floor are three meeting rooms with seating capacity for 500, 250 and 90 persons, respectively, also service rooms for catering, etc. This floor is arranged so that practically the entire space

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can be thrown in one large room which is available for formal receptions, and other social features. On several of the other floors are meeting rooms of various sizes, making possible eight or nine simultaneous meetings. The reading room of the Library of the Founder Societies occupies the thirteenth floor. Each of the Founder Societies occupies one floor of the building, and a score of other kindred organizations have offices in it.

The American Society of Mechanical Engineers occupies the eleventh floor of the building. Its rooms include a Council Room, Reception Room, general offices and members' rooms. The surroundings are homelike and the headquarters furnish a convenient rendezvous for members and their friends.

MEMBERSHIP

The membership of the Society comprises Honorary Members, Members, Associates, Associate-Members and Juniors, all elected by ballot of the Council. Application for membership is made on a regular form furnished by the Secretary which provides for a statement of the standing and professional experience of the applicant and requires references from several voting members who are personally acquainted with the applicant and his work. The requirements for admission to the various grades are given in the Constitution printed elsewhere in this volume.

The initiation fee for Members, Associates, and Associate-Members is \$25 and for Juniors \$15. The annual dues are \$15 for Members, Associates and Associate-Members, \$10 for Juniors for the first six years and \$15 thereafter. Members in active service are exempt from payment of dues for the period of the war and for six months after the declaration of peace.

Candidates for admission to the Society are posted in the issue of The Journal (monthly) following the receipt of their applications. A period of forty days is given in which the members may advise the Secretary of any objection they may have to the election of any candidate. Simultaneously the Secretary communicates with the references. The Membership Committee then meets to consider each application and make recommendation to the Council as to the grade to which candidates who receive their favorable consideration shall be assigned. A list of the candidates, together with the recommendations of the Membership Committee, is then submitted to the Council for vote by letter-ballot. Upon the closing of the ballot by the Council the Secretary advises all successful applicants of their election. The initiation fee and that part of the annual dues from the first of

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the month following the date of election to the first of October following, are payable on notice of election.

Applications for membership from candidates who may be so situated as not to be personally known to the necessary number of members of the Society may be recommended by the Membership Committee for ballot, after sufficient evidence has been secured from officers or voting members of other engineering societies of like standing to satisfy the committee that the applicant is worthy of admission to membership.

PRIVILEGES

Membership in The American Society of Mechanical Engineers affords the privilege of engaging in broad work for the advancement of the engineering profession, and establishes a high standard of professional attainment for the individual member. Many advantages accrue from association at the meetings and mutual interchange of information and courtesies.

Every member receives a copy of each of the Society's publications, which include The Journal, issued monthly, the Transactions, published annually, and the Year Book.

Members enjoy the benefits of the joint Library of the Society and its sister organizations, together with, by exchange of courtesies, those of a number of engineering libraries throughout the country.

Members are invited to make use of the Society's headquarters for business purposes or their own personal convenience. Rooms for private consultation and working alcoves can be provided, and for correspondence purposes stenographers are available. Personal mail is received at the headquarters and forwarded.

An engraved certificate of membership signed by the President and Secretary, and authenticated by the seal of the Society, is issued to members on request.

Members are entitled to wear the official badge of the Society and to use after their names the approved abbreviations denoting their connection with the Society.

An introduction card is issued annually to all members in good standing. Besides serving as a means of identification, this also gives entrée to nearly a score of engineering societies in this country and abroad, with whom an exchange of privileges has been arranged.

Members are entitled to the service of the Employment Department which is conducted under the personal supervision of the Secretary's office, and to the use of the columns of the Employment Bulletin in The Journal.

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ORGANIZATION

The affairs of the Society are directed by a Council consisting of the President, six Vice-Presidents, nine Managers, the Treasurer, and the five surviving Past-Presidents who last held office. These are selected so as to represent the several geographical sections of the United States.

There are eleven standing committees of five members each, on Finance, Meetings, Publication, Membership, Library, House, Research, Public Relations, Constitution and By-Laws, and Standardization. The members of these committees are appointed by the President. An amendment to the Constitution to provide for standing committees of administration is now pending.

PROFESSIONAL COMMITTEES

Special committees are appointed to investigate and report upon questions of mechanical-engineering interest. Many useful and important investigations by such committees are already on record and are available in pamphlet form.

Further, in view of the extent to which industrial expansion has increased the field of the mechanical engineer, the Council has authorized the appointment of sub-committees of the Committee on Meetings for each industry and branch of engineering. Several of these sub-committees have been appointed and are actively at work.

LOCAL SECTIONS

The Constitution of the Society provides for the organization of Local Sections or groups of all grades of membership for professional or scientific purposes, and the Council encourages members to form such organizations. These sections have such powers as are conveyed in and act under the By-Laws governing local sections.

A State Section of the Society was established in 1917 in Connecticut, with branches at Bridgeport, Hartford, Meriden, New Haven and Waterbury. Local sections are operating at Atlanta, Baltimore, Birmingham, Boston, Buffalo, Chicago, Cincinnati, Detroit, Erie, Indianapolis, Los Angeles, Milwaukee, New Haven, New Orleans, New York, Ontario (Toronto), Philadelphia, St. Louis, Minnesota, San Francisco and Worcester.

In a center in which members consider it desirable to establish a Local Section, it is customary to call an organization meeting and have all those attending sign a petition to the Council. At the same time, five officers are tentatively chosen to have

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charge of the Section's activities. The petition is forwarded to the Committee on Local Sections, by whom it is upon approval, transmitted to the Council. The Council acts upon the recommendation of the Committee and at the same time appoints the officers usually those chosen by the Section. The Committee notifies the Section of its establishment and grants an appropriation to carry on its work for the fiscal year; this appropriation is based on a flat sum plus an additional amount for each member within a radius of from 30 to 60 miles of the center.

In centers in which engineering clubs or like organizations are already in existence, cordial coöperation is desired with such organizations.

PROFESSIONAL SECTIONS

The Constitution also provides for the organization of professional sections for the consideration of any engineering, scientific or professional topic. These organizations may be formed of groups of all grades of members, and they have such powers as are conveyed in and act under the By-Laws governing professional sections.

INSIGNIA

The seal of the Society, a facsimile of which appears on the cover of the Year Book, is based on the saying attributed to Archimedes, "Give me where I may stand and I will move the world."



The official badge of the Society is a four-leaf clover design bearing the Society's initials. The badge for Honorary Members, Members, Associates and Associate-Members is in dark blue enamel, with letters in bright gold. The Junior badge is in crimson enamel.

MEETINGS

The Society holds two general meetings each year, the Annual Meeting in New York, beginning the first Tuesday in December, and the Spring Meeting held at such time and place as the Council designates. Announcement of the election by membership ballot of the officers of the Society for the ensuing year is made at the Annual Meeting.

The general meetings are under the direction of the Committee on Meetings and addresses made and papers presented are subject to the approval of this Committee. The social features at the general meetings are especially enjoyable and play an important

part in the extension of acquaintance. Excursions to points of mechanical-engineering interest are always arranged, and the program of events is made as attractive as possible.

Under the provision of the By-laws for Local Sections regular meetings have been held at frequent intervals at the centers before mentioned.

The meetings of the New York Section are held regularly in the Engineering Societies Building on the evenings of the second Tuesdays in October, November, January, February, March and April.

The papers for meetings of Local Sections are subject to the approval of the committee in charge. Papers presented are considered by the Committee on Publications for publication in The Journal, and by the Committee on Meetings for presentation at the general meetings.

PROFESSIONAL PAPERS

Papers and discussions of mechanical-engineering interest are invited from members for presentation at meetings, both general and section, and contributions are also welcomed from non-members.

Such papers and discussions should contain engineering data of value to the mechanical-engineering profession, arranged for convenient reference. Matter already accessible, or of a speculative character, or which advocates special interests, is not acceptable. Papers should be submitted in complete form.

Papers for general meetings should be addressed to the Secretary and papers for meetings of Local Sections should be addressed to the respective chairman of the Executive Committees of the Sections.

Each paper or discussion is subject to the approval and editorial supervision of the committee in charge of the meetings at which it is to be presented.

Papers for presentation at a general meeting are usually published in advance in The Journal and also in pamphlet form for distribution to those who wish to contribute discussion and also for distribution at the meeting.

PUBLICATIONS

The Journal of The American Society of Mechanical Engineers is published monthly. Subscription to The Journal is included in the membership dues.

Features of The Journal are addresses, papers and discussions presented at general meetings of the Society; addressses, papers,

or abstracts with discussion, presented at meetings of Local Sections; announcements and reports upon Society affairs and incidents; reports of activities of Student Branches; employment bulletin; personal notes; a department for contributed discussion of papers previously published, or new matter; members' correspondence department, including suggestions on Society affairs; review of the world's technical press; Library notes, and reviews of technical books by experts selected by the Publication Committee.

The Transactions of The American Society of Mechanical Engineers, is published about July of each year for the preceding year. It is issued annually, free to members, bound in half morocco.

The Transactions contain, subject to the approval of the Publication Committee, the addresses, papers and discussions presented at general meetings of the Society; addresses, papers and discussions presented at local-section meetings and reports of technical committees.

The Year Book of The American Society of Mechanical Engineers is issued in February of each year. It contains alphabetical and geographical lists of members, corrected to January first of the same year; together with the Charter, Constitution, By-Laws and Rules of the Society, etc. A copy of the Year Book is sent free to each member.

The Society also compiles annually the Condensed Catalogues of Mechanical Equipment containing condensed-catalogue information respecting mechanical equipment, paid for by the firms represented; a classified list of manufacturers, the listing of which is free; and a section containing engineering data from the current publications of the Society. A copy is sent gratis to each member.

Most of the papers presented before meetings of the Society in recent years have been published also as separate pamphlets. A circular giving the titles of such papers and prices may be obtained on request.

LIBRARY

The Library of The American Society of Mechanical Engineers is combined with those of the American Society of Civil Engineers, the American Institute of Mining Engineers, and the American Institute of Electrical Engineers, and all are maintained as the joint Library of the United Engineering Society. This is one of the finest and largest collections of engineering and scientific publications in the world, containing upwards of

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120,000 titles, and comprises many rare and valuable reference works not readily accessible elsewhere. Over 2000 technical journals and magazines are regularly received, including practically every important engineering journal in thirty countries in the fields of civil, mechanical, electrical and mining engineering. The Director of the Library will furnish detailed information regarding its activities.

The Library is open on week days from 9 a. m. to 10 p. m., except Christmas Eve and New Year's Eve, and Saturdays during the months of June, July, and August, when it is closed at 6 p. m., and Christmas Day, New Year's Day, Thanksgiving Day and Independence Day, on which it is closed entirely.

Full privileges of the Library are accorded to members of this Society on presentation of membership card, and also to non-members officially introduced by the Secretary. Reading-room facilities are open to the public at large.

The Library maintains a Library Service Bureau, comprising a staff of expert searchers and translators for verifying references, furnishing bibliographies of engineering subjects, original prints, abstracts, copies, photographs and translations, and also makes searches for patent purposes, prepares reference cards, etc. This service is confidential and is available through the mails.

The Library acts as a bureau of general information for engineers, furnishing addresses of engineers, names of publishers of books and periodicals, addresses of manufacturers, and statistics of various kinds.

Facilities are available for keeping members of the Society posted on the current publications on any engineering subject. Also a bibliography on any subject is prepared on request and the volumes relating thereto set aside for the perusal of members who are able to visit the Library.

When necessary to charge for service, it is at actual cost.

Plans for the expansion of the Library are being made which will render it unique, not only in the collection of technical books and periodicals, but also in the service it will be prepared to render to the members of any branch of the engineering profession. These plans have been made possible by the initial gift of \$100,000 from Dr. James Douglas, as the beginning of an endowment fund which it is hoped will reach \$1,000,000.

PROFESSIONAL OPPORTUNITIES

The Society acts as an informal medium for bringing members in touch with professional opportunities. This service is personally supervised by the Secretary.

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The Journal announcements of "Positions Available" as well as abstracts of records of "Men Available" or seeking opportunity for advancement are regularly posted. All insertions are made without charge.

Large numbers of members are constantly being served by this "clearing house" for mechanical-engineering positions.

STUDENT BRANCHES

The Council has recognized the requests of organizations of students in engineering schools to associate themselves with the Society as Student Branches, and to date forty-four organizations have made this affiliation. Each branch is governed independently under its own by-laws, subject to certain limitations set by the Council.

Members of these Student Branches are entitled to attend the meetings of the Society and its Sections. A conference of representatives of Student Branches is held each year at the Annual Meeting. They are thereby afforded opportunities for becoming acquainted with members of the Society and for getting in touch with the practical problems occupying the attention of the engineering profession.

A badge for members of Student Branches has been approved and a card of introduction is issued to Student Branch members.

A special brochure descriptive of Student Branches may be had upon application to the Secretary.

To form a Student Branch, an application should be presented to the Council signed by the dean of the school or college, and by a member of the Society who is also a member of the faculty. Forms for this purpose are obtainable from the Secretary. Students regularly enrolled in these branches may subscribe to The Journal at members' rates. Graduates may continue their affiliation in Student Branches for a period of two years after graduation and should apply for renewal of privileges each year to the Secretary of the Student Branch at the College from which they were graduated.

PRIZES FOR TECHNICAL PAPERS

Through the generosity of a member, there have been established two funds of \$1000 each, to be known as The American Society of Mechanical Engineers Prize Funds, the income from which is to be awarded for the best paper by a Junior member of the Society and to such two enrolled members of any Student Branch as contribute the best papers.

Such an award offers an incentive to the young engineer to

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undertake original work and is in line with the practice of many other societies.

Rules have been drawn up and approved by the Council with reference to the distribution of these prizes, those governing the Junior papers having been formulated by the Committee on Award of Prizes for Juniors, and those governing Student papers by the Committee on Student Branches.

It is the hope of the Council that a large number of papers will be submitted during the current year for the decision of the Committee on Prizes.

The conditions governing the awards are given in the Rules published in the back of this volume.

In 1916 the award of the Junior Prize was made to L. B. McMillan, Jun. Am. Soc. M. E., for his paper on The Heat Insulating Properties of Commercial Steam-Pipe Coverings.

In 1917 no Junior Prize was awarded; a Student Prize was awarded to H. R. Hammond and C. W. Holmberg for their paper on A Study of Surface Resistance with Glass as the Transmission Medium.

JOHN FRITZ MEDAL

The John Fritz Medal, established in 1902, on the eightieth birthday of John Fritz, by professional associates and friends as a means of perpetuating the memory of his achievements in industrial progress, is awarded annually for notable scientific or industrial achievement, irrespective of nationality or sex.

The award is made by a board composed of sixteen members, four from each of the American Society of Civil Engineers, the American Institute of Mining Engineers, The American Society of Mechanical Engineers, and the American Institute of Electrical Engineers.

Awards of this medal have been made as follows:

1902 to John Fritz, Hon. Mem. Am. Soc. M. E., for notable scientific and industrial achievement.

1905 to Lord Kelvin for his work in the development of cable telegraphy and other scientific accomplishments.

1906 to George Westinghouse, Hon. Mem. Am. Soc. M. E., for the invention and development of the air brake.

1907 to Alexander Graham Bell for the invention and development of the telephone.

1908 to Thomas Alva Edison, Hon. Mem. Am. Soc. M. E., for the invention of the duplex and quadruplex telegraph, the phonograph, the development of a commercially practical incandescent lamp, the development of a complete system of electric lighting,

GENERAL INFORMATION

including dynamos, regulating devices, underground system, protective devices and meters.

1909 to Charles T. Porter, Hon. Mem. Am. Soc. M. E., for his work in the origination and development of the high-speed steam engine.

1910 to Alfred Noble, Mem. Am. Soc. M. E., for notable achievements as a Civil Engineer.

1911 to Sir William H. White, Hon. Mem. Am. Soc. M. E., for notable achievements in marine engineering.

1912 to Capt. Robert W. Hunt, Past-President Am. Soc. M. E., for his contributions to the early development of the Bessemer process.

1914 to Prof. John E. Sweet, Hon. Mem. Am. Soc. M. E., for his achievements in machine design, and for his pioneer work in applying sound engineering principles to the construction and development of the high-speed steam engine.

1915 to Dr. James Douglas for notable achievements in mining, metallurgy, education and industrial welfare.

1916 to Prof. Elihu Thomson for achievements in electrical inventions, in electrical engineering and in industrial development, and in scientific research.

1917 to Prof. Henry Marion Howe for his investigations in metallurgy, especially in the metallography of iron and steel.

HONORARY MEMBERS IN PERPETUITY

ALEXANDER LYMAN HOLLEY, Deceased Founder of the Society.

JOHN E. SWEET, Deceased Founder of the Society.

HENRY ROSSITER WORTHINGTON, Deceased Founder of the Society.

HONORARY MEMBERS

(In order of dates of election)

Gustave Eiffel	1889	John A. F. Aspinall.....	1911
Henri Léauté	1891	Anatole Mallet	1912
Wm. Cawthorne Unwin.....	1898	Oskar von Miller.....	1912
Sir Douglas Fox.....	1900	Charles H. Manning.....	1913
Thomas Alva Edison.....	1904	Alfred Fernandez Yarrow....	1914
Andrew Carnegie	1907	Ambrose Swasey	1916
John A. Brashear.....	1908	George W. Goethals.....	1917

DIRECTIONS FOR USING THE LIST

Both business and home addresses will be found in the Alphabetical List (p. 3). Where two addresses are given, the first is the business address. The words "*and for mail*" are used when the preferred address for mail is not the first address.

The date after each name in the Alphabetical List is the date of election to membership. Where no grade accompanies the date, full membership is understood. Where two dates are given, the first indicates election and the second indicates promotion; if the second date is not accompanied by grade, promotion to full membership is understood.

The list contains the names of members of all grades, including Honorary Members, Members, Associates, Associate-Members and Juniors.

For business addresses of members residing in any particular city or town, consult the Geographical List (p. 343), which is arranged alphabetically by countries, states, cities and names of members.

THE AMERICAN SOCIETY OF
MECHANICAL ENGINEERS

LIST OF MEMBERS

ARRANGED ALPHABETICALLY
ALL GRADES

ALPHABETICAL LIST OF MEMBERS ALL GRADES

*Members in military or naval service are indicated thus * in so far as information has been received at Society headquarters. Members in government service who are not so indicated are requested to advise the Secretary so that the Society's records may be complete.*

- AAGAARD, Arthur H. (Junior, 1916), Instr., Rice Inst., Houston, Tex.
- ABBE, Roy H. (Junior, 1915), Asst. Supt., Towle Mfg. Co., and *for mail*, 176 High St., Newburyport, Mass.
- ABBEY, Alfred B. (Associate-Member, 1917), Constr. Engr. Producing Dept., Stand. Oil Co. of Cal., Drawer J, and *for mail*, 438 N. Bright Ave., Whittier, Cal.
- ABBEY, Frank H. (1916), Mgr. Boston Office, Gifford-Wood Co., 51-52 N. Market St., Boston, and *for mail*, 24 Warwick Rd., Belmont, Mass.
- ABBOTT, Charles C. (1905), M. E., Gen. Elec. Co., 240 Second St., Pittsfield, Mass.
- ABBOTT, Edward R. (Associate-Member, 1914), N. Y. Rep., The Taft-Peirce Mfg. Co., Rm. 4500, 233 Broadway, and 51 St. Nicholas Pl., New York, N. Y.
- ABBOTT, Frederick B. (1904), 419 Ninth St., Brooklyn, N. Y.
- ABBOTT, Henry W. (Junior, 1913), Fore River Shipbuilding Corp., and *for mail*, Prescott Apts., Spear St., Quincy, Mass.
- ABBOTT, William L. (1891), Manager, 1907-1910; Ch. Operating Engr., Commonwealth Edison Co., 72 W. Adams St., and 4616 Beacon St., Chicago, Ill.
- ABEL, John (Associate, 1914), Treas., Factory Mgr., Mersereau Metal Bed Co., 278 Johnston Ave., and *for mail*, 75 Fairview Ave., Jersey City, N. J.
- ABELL, Harry C. (1900; 1902), Emerson McMillin & Co., 120 Broadway, and 417 Riverside Drive, New York, N. Y.
- *ABERCROMBIE, James H. (1901), Capt. British Army, care of The Farmers Loan & Trust Co., 15 Cockspur St., S. W., London, England.
- *ABERNETHY, W. K. (Associate-Member, 1917), Aviation Corps, U. S. A., and Central Sta. Steam Co., 704 E. Woodbridge St., Detroit, Mich., and 132 Marquette Ave., South Bend, Ind.
- ABORN, George P. (1889; 1892), Mgr., Blake & Knowles Steam Pump Wks., East Cambridge, and *for mail*, 50 Garrison Rd., Brookline, Mass.
- ABRAMS, Frank W. (Junior, 1915), Asst. Supt. Eagle Wks., Stand. Oil Co. of N. J., Claremont, and *for mail*, 2540 Boulevard, Jersey City, N. J.
- ABRAMS, Herbert T. (1901), Mgr. Pump and Calyx Drill Depts., Ingersoll-Rand Co., 11 Broadway, New York, N. Y., and *for mail*, 160 Cleveland St., Orange, N. J.
- ACHESON, Albert R. (1913), Prof. M. E., Syracuse Univ., and *for mail*, 852 Ostrom Ave., Syracuse, N. Y.
- ACKER, Kemp G. (Junior, 1913), 468 E. State St., Sharon, Pa.
- ACKERMAN, Albert A., Jr. (1917), Ch. Draftsman, The Singer Mfg. Co., and *for mail*, 28 De Hart Pl., Elizabeth, N. J.
- ACKERMAN, Frank (Junior, 1912), Asst. Wks. Mgr., Curtis & Co. Mfg. Co., and *for mail*, 1297 Amherst Pl., St. Louis, Mo.

- ACKERMAN, George E. (1913), Member of Firm, Holland, Ackerman & Holland, Cons. Engrs., Chicago, Ill., and Ann Arbor, Mich., and *for mail*, 1017 Wenonah Ave., S., Oak Park, Ill.
- ACKERMAN, Henry C. (Junior, 1916), Maintenance Engr., Hercules Powder Co., Parlin, N. J., and Rosedale, Kan.
- ACKERMAN, J. Walter (1914), Ch. Engr., Supt., Auburn Water Wks., 7 Exchange St., and 26 Nelson St., Auburn, N. Y.
- ACKERMAN, William S. (1891; 1895; 1899), Cons. Engr., 94 17th Ave., Paterson, N. J.
- ACKLAND, H. Baldwin (Associate-Member, 1913), Engr., Westinghouse Church, Kerr & Co., 37 Wall St., New York, and 636 E. 21st St., Brooklyn, N. Y.
- ADAIR, Craig (Associate-Member, 1915), Asst. to Pres., Penn Seaboard Steel Corp., 132 S. 15th St., Philadelphia, Pa., and 402 W. 20th St., Wilmington, Del.
- ADAM, L. E. Maurice (Junior, 1917), Asst. Supt., Cuba Cane Sugar Corp., Havana, and *for mail*, Central Morou Pina, Camagüing Prov., Cuba.
- ADAM, William J. (1912), Genl. Mgr., Fickling Enameling Corp'n, Second and Webster Aves., Long Island City, N. Y., and *for mail*, 49 Condict Ave., Jersey City, N. J.
- *ADAMS, Carroll E. (Junior, 1916), First Sergeant, Batt. A, 103rd Reg., Field Art., 26th Div., Am. Exped. Forces, and *for mail*, 228 Broadway, Pawtucket, R. I.
- ADAMS, Clarence S. (Associate-Member, 1916), Asst. Supt. of Inspec., Pierce-Arrow Motor Car Co., Buffalo, and *for mail*, R. F. D. No. 1, Williamsville, N. Y.
- ADAMS, Clyde L. (Associate-Member, 1917), Apprentice Instr. Tractor Branch, Moline Plow Co., and *for mail*, 719 25th St., Moline, Ill.
- ADAMS, Comfort A. (1917), Abbott and James Lawrence Prof. of Engrg., Mass. Inst. of Tech., Harvard Univ., and 13 Farrar St., Cambridge, Mass.
- ADAMS, Conrad R. (Associate-Member, 1914), Wks. Mgr., Sibley Mch. Tool Co., E. Tutt St., and 1435 S. Michigan St., South Bend, Ind.
- ADAMS, Dan (1914), Head of Steam Engrg. Dept., Lockwood, Greene & Co., 60 Federal St., Boston, Mass.
- ADAMS, Earl E. (Associate-Member, 1917), The Bonnot Co., and *for mail*, 217 Lincoln Ave., N. W., Canton, O.
- ADAMS, Edward T. (1899), Cons. Engr., Humphrey Gas Pump Co., 401 S. A. & K. Bldg., Syracuse, N. Y.
- ADAMS, Harry H. (1912), Supt. Shops and Equip., Chicago Surface Lines, 1165 N. Clark St., Chicago, Ill.
- ADAMS, Henry (1899), Cons. Engr., 1263-1269 Calvert Bldg., and 2038 Park Ave., Baltimore, Md.
- ADAMS, James F. (Associate-Member, 1915), Production Foreman, Anchor Cap & Closure Corp'n, Pearl & Prospects Sts., Brooklyn, and *for mail*, 516 W. 169th St., New York, N. Y.
- ADAMS, Kilburn E. (1908; 1917), Head of Incandescent Lamp Div., The Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, and *for mail*, 55 Manning St., Needham, Mass.
- ADAMS, Louis W. (1917), Gen'l Supt., Nova Scotia Steel & Coal Co., Ltd., New Glasgow, Nova Scotia, and *for mail*, 161 S. Center St., Bethlehem, Pa.
- ADAMS, Lyman D. (Associate-Member, 1917), Mgr. Mill Dept., The Wallace Barnes Co., and 29 Stearns St., Bristol, Conn.
- *ADAMS, Porter H. (Junior, 1916) Office of Naval Intelligence, U. S. N., 13 Middle St., Rockland, Me.
- ADAMS, Robert B. (1916), Asst. Supt., Remington Arms Co., Bridgeport, Conn., and *for mail*, 4521 Seventh Ave., Rock Island, Ill.

- *ADAMS, Walter H. (1908; 1912), Capt., E. O. R. C., Prof. M. E., Throop College of Tech., and 1661 Rose Villa St., Pasadena, Cal.
- ADAMSON, Arthur R. (Associate-Member, 1917), Asst. Genl. Supt., Baker Iron Wks., Los Angeles, and 1916 North St., Andrews Pl., Hollywood, Cal.
- ADAMSON, Cecil F. (Junior, 1906), Prop., Adamson Mfg. Co., East Palestine, O.
- ADAMSON, Daniel (1901), Partner, Jos. Adamson & Co., and *for mail*, Longlands, Hyde, Cheshire, England.
- *ADAMSON, Keith F. (Associate-Member, 1914), Capt. Inf., U. S. R., Am. Exped. Forces, and *for mail*, 333 Bryn Mawr Ave., Cynwyd, Pa.
- ADDICKS, Lawrence (1910), Cons. Engr., 126 Liberty St., New York, N. Y.
- ADELMAN, Arthur (1916), Ch. Draftsman, Gun Div., Ordnance Office, War Dept., and *for mail*, 2409 N. Capitol St., Washington, D. C.
- ADGATE, Frederick W. (1912), West. Mgr., The Foundation Co., 209 S. La Salle St., Chicago, and Wheaton, Ill.
- ADLER, Alphonse A. (1907; 1912), Asst. Prof. Mech. Drawing and Design, Poly. Inst. of Brooklyn, 85 Livingston St., and 201 Warren St., Brooklyn, N. Y.
- AEBERLI, Adolf (1916), Ch. Hyd. Engr., Canadian Allis-Chalmers, Ltd., 212 King St., and 27 Keele St., Parkdale, Toronto, Ont., Canada.
- AFFLECK, Bertram L. (Associate-Member, 1917), Asst. Expt., Indust. Training, Emergency Fleet Corp., Washington, D. C., and *for mail*, 316 Huntington Ave., Boston, Mass.
- AFFLECK, Myron H. S. (Associate-Member, 1916), Engr., Rumford Chem. Wks., Rumford, R. I.
- AGNER, Owen B. (Junior, 1912), Genl. Mgr., Loomis & Hart Furniture Co., Pine and Water Sts., and *for mail*, 8 Ferger Apts., Chattanooga, Tenn.
- AGNEW, James R. (Junior, 1916), Ch. Engr., Municipal Power Plant, City of Clarksdale, 306 Sharkey Ave., Clarksdale, Miss.
- AHARA, Edwin H. (1906), Mgr. of Mfg., Dodge Mfg. Co., and 716 Lincoln Highway E., Mishawaka, Ind.
- AHARA, George V. (1913), M. E. in charge Gas Engine Design and Test, The Canadian Fairbanks-Morse Co. Ltd., 1387 Bloor St. W., and *for mail*, 864 Dovercourt Rd., Toronto, Ont., Canada.
- AHLEN, William (1912), Ch. Engr., Duquesne Steel Wks., Carnegie Steel Co., Duquesne, Pa.
- AHLQVIST, Harold (1909), Asst. Mgr., B. C. Dept., Solvay Process Co., and 8 Brattle Rd., Syracuse, N. Y.
- AHRNKE, H. P. (1902; 1912), Davis-Watkins Dairymen's Mfg. Co., 1103 Peoples Life Bldg., Chicago, Ill.
- AICHBERGER, Carl (1917), M.E., The Sandusky Fdy. & Mch. Co., Sandusky, Ohio.
- AICHER, Alfred L. (Junior, 1917), Draftsman, Cresson-Morris Co., 18th & Allegheny Ave., and *for mail*, 3917 N. Percy St., Philadelphia, Pa.
- AIKEN, Charles W. (1903), Secy., Treas., Houchin-Aiken Co., 113-123 53d St., and *for mail*, 2304 Newkirk Ave., Brooklyn, N. Y.
- AIREY, John (Associate-Member, 1915) M. M. R. & V. Wagner Ord. Co., and *for mail*, 2709 16th St., East Moline, Ill.
- AKERLIND, G. A. (1909), Mch. Inspr. Testing Div., Dept. of Pub. Wks., 3100 S. Sacramento Ave., and 536 Rush St., Chicago, Ill.
- AKERLUND, Gustaf (1913), Senior Member, Akerlund & Semmes, 17 Battery Pl., New York, N. Y.
- AKERS, Axel (1917), M. E. in charge, Municipal Shops, 403 City Hall, and *for mail*, 7357 Vernon Ave., Chicago, Ill.

- AKIMOFF, N. W. (1916), Mfr., Balancing Mch., 1013 Harrison Bldg., Philadelphia, Pa.
- ALBERGER, Alvan H. (1915), Pres., Alberger Gas Eng. Co., 281 Chicago St., and *for mail*, 665 W. Ferry St., Buffalo, N. Y.
- ALBERT, Calvin D. (1911), Prof. Mch. Design, Cornell Univ., and *for mail*, 2 Reservoir Ave., also 7 South Ave., Ithaca, N. Y.
- ALBERTSON, Dan J. (1914), Civ. and Industrial Engr., Mill Arch., 305 E. Main St., Kalamazoo, Mich.
- ALBIN, Leland D. (Associate, 1915), Genl. Sales Mgr., Ingersoll-Rand Co., 11 Broadway, New York, N. Y., and 444 W. 7th St., Plainfield, N. J.
- ALBRECHT, Otto (1884), M. E., Tindel Morris Co., Eddystone, Delaware Co., and *for mail*, 1405 N. 15th St., Philadelphia, Pa.
- ALBRIDGE, Kenneth P. (Associate-Member, 1917), Production Engr., Supt., Parker Mfg. Co., Ann Arbor, and *for mail*, 1643 W. Grand Blvd., Detroit, Mich.
- ALBRIGHT, H. Fleetwood (1903), V. P., Genl. Supt., West. Elec. Co., Inc., Hawthorne Sta., Chicago, and 507 N. Euclid Ave., Oak Park, Ill.
- ALCOCK, George W. (Associate, 1915), Engrg. Dept., Am. Loco. Co., 30 Church St., New York, and *for mail*, 220 Ovington Ave., Brooklyn, N. Y.
- ALDCORN, Thomas (Associate, 1903), Genl. East. Sales Mgr., Chicago Pneu. Tool Co., 52 Vanderbilt Ave., New York, N. Y., and 253 Stuyvesant Ave., Lyndhurst, N. J.
- ALDEN, Clarence T. (1917), Mgr., Edison Elec. Light & Power Co., 24 E. Main St., Amsterdam, N. Y.
- ALDEN, Frederick A. (1912; 1913), Cons. Engr., 60 Gorham St., Cambridge, Mass.
- ALDEN, George I. (1880), Vice-President, 1891-1893; Pres., Norton Co., and Norton Grinding Co., and *for mail*, 48 Queen St., Worcester, Mass.
- ALDEN, Herbert W. (1908), V. P., The Timken-Detroit Axle Co., Clark Ave., and 21 Edison Ave., Detroit, Mich.
- ALDEN, John D. (1912), Bronx Gas & Elec. Co., Walker and Frisbie Ave., and *for mail*, 1520 Overing St., Westchester, New York, N. Y.
- *ALDEN, John L. (Junior, 1914), 2nd Lient., Ord. Dept., N. A., Trench Warfare Section, Gun Div., 7th and E. Sts., and *for mail*, 1415 Massachusetts Ave., Washington, D. C.
- ALDEN, Roger O. (Junior, 1915), Industrial Control Dept., Genl. Elec. Co., Schenectady, and *for mail*, 59 Vley Rd., Scotia, N. Y.
- ALDRICH, Chester S. (Junior, 1909), Treas., Gray-Aldrich Co., Inc., 33 Commercial Wharf, Boston, and 47 Mt. Bowdoin Terrace, Dorchester, Mass.
- ALDRICH, Guy W. (Junior, 1913), Draftsman, Westinghouse, Church, Kerr & Co., Inc., 37 Wall St., New York, N. Y., and *for mail*, 283 N. Maple Ave., East Orange, N. J.
- ALDRICH, Herbert L. (Associate, 1900), Pres., Aldrich Publishing Co., 461 Eighth Ave., and *for mail*, Hotel San Remo, Central Park West, and 74th St., New York, N. Y.
- ALDRICH, John G. (1901), Pres., N. E. Butt Co., 304 Pearl St., and *for mail*, 223 Bowen St., Providence, R. I.
- ALDRICH, William S. (1892), Life Member; Assoc. Prof. E. E. State Agri. College, Fort Collins, Colo.
- ALDWORTH, Edward H. (Associate-Member, 1914), Asst. Ch. Engr., R. Martens & Co., Inc., 24 State St., New York, and *for mail*, 123 Kenmore Pl., Flatbush, Brooklyn, N. Y.
- ALEXANDER, Charles A. (1899; 1905), Pres., Treas., The Alexander, Chumay & Utz Co., 16 State St., Rochester, and Cloyer Rd., Brighton Sta., Rochester, N. Y.
- ALEXANDER, Durand C., Jr. (1914), Pres., The Quasi-Arc Weldtrode Co., 109 Lafayette St., and 330 W. 102nd St., New York, N. Y.

- ALEXANDER, Edward E. (Associate, 1908), M. E., The Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
- ALEXANDER, Harry (1895; 1899; 1901), Pres. Harry Alexander, Inc., 18-20 W. 34th St., New York, and Great Neck, N. Y.
- ALEXANDER, Louis A. (1901), Genl. Stores Keeper, Genl. Supt.'s Office, Am. Brass Co., and *for mail*, P. O. Box 514, Waterbury, Conn.
- ALEXANDER, Ludwell B. (1905; 1911), Ch. Engr., Standard Cotton Co., Box 437, and 1257 Poplar Ave., Memphis, Tenn.
- ALEXANDER, Magnus W. (1906) Cons. Engr., Genl. Elec. Co., West Lynn, and Hotel Carlton, 1138 Boylston St., Boston, Mass.
- ALEXANDER, Walter P. (1913), Steam and Mech. Engr., The Moulton Engrg. Corp., and 2 Boody St., Portland, Me.
- ALFORD, Leon P. (1900; 1908), Ch. of Staff, Industrial Management, 6 E. 39th St., New York, N. Y., and 45 Irving St., Montclair, N. J.
- ALGER, Harley C. (Junior, 1908), M. E., R. R. Donnelley & Sons Co., 21st and Calumet Ave., Chicago, and *for mail*, 435 S. Grove Ave., Oak Park, Ill.
- ALLAART, Cornelius J. (Associate, 1913), Exper. Designer, Pierce-Arrow Motor Car Co., and *for mail*, 136 Winspear Ave., Buffalo, N. Y.
- ALLAN, Charles D. (1917), Cons. Engr., 230 S. La Salle St., and 941 Windsor Ave., Chicago, Ill.
- ALLAN, James R. (Junior, 1914), M. E., Intl. Harvester Co., McCormick Wks., Blue Island and Western Aves., and *for mail*, 339 S. Central Park Ave., Chicago, Ill.
- ALLAN, Wm. T. (Associate, 1906), Mem. of Firm, A. Allan & Son, Harrison, and 82 Bentley Ave., Jersey City, N. J.
- ALLEN, Abbott (Associate-Member, 1917), M. E., The Am. Intl. Corp'n, 142 N. Broad St., and *for mail*, 4731 Baltimore Ave., Philadelphia, Pa.
- ALLEN, Albert M. (1903; 1908), Cons. Engr., Albert M. Allen & Co., 1900 Euclid Ave., and 2897 Fairfax Ave., Cleveland, O.
- ALLEN, Arthur P. (1917), Ch. Engr., Union Iron Wks. Co., San Francisco, and *for mail*, 1221 Vancouver Ave., Burlingame, Cal.
- ALLEN, Benjamin T. (1903), Ch. Engr., Harrisburg Fdv. & Meh. Wks., and 218 S. 13th St., Harrisburg, and *for mail*, Perdix, R. D. 2, Duncannon, Pa.
- ALLEN, Charles M., (1901; 1903), Prof. Hyd. Engrg., Worcester Poly. Inst., and 8 Dean St., Worcester, Mass.
- ALLEN, Clifton H. (Junior, 1916), Mill Designer, The Dorr Co., 812 Cooper Bldg., and *for mail*, 1768 S. Penn St., Denver, Colo.
- ALLEN, Ethan E. (1915), care of Mambulao Placer Co., Mambulao, A. Camerines, P. I.
- ALLEN, Francis B. (1880), V. P., The Hartford Steam Boiler Inspc. & Ins. Co., 56 Prospect St., and 61 Willard St., Hartford, Conn.
- ALLEN, Frank L. (Associate-Member, 1914), Rep. Landis Tool Co., Waynesboro, Pa., Secy., Dugger Motor Sales Co., and *for mail*, 4128 Carrollton Ave., Indianapolis, Ind.
- ALLEN, Harvey (1915), Efficiency Engr., Pressed Steel Car Co., Western Steel Car and Foundry Co., Farmers Bank Bldg., Pittsburgh, and *for mail*, 347 Columbia Ave., West View, Pa.
- ALLEN, Henry A. (1900), M. E. in charge Bureau of Waste Disposal, City of Chicago, 2001 City Hall Sq. Bldg., Chicago, Ill.
- ALLEN, J. S. (1916), Genl. Mgr., Metropolitan Dredging Co., 90 West St., and 229 W. 101st St., New York, N. Y.
- *ALLEN, Jared E. (Associate-Member, 1917), 1st Lieut., E. O. R. C., 26th Engr. Reg't, Camp Dix, N. J., and Oneida Community, Ltd.
- ALLEN, Jean M. (1913), Genl. Supt., R. H. & G. A. McWilliams, 1111 McCormick Bldg., and *for mail*, 830 Oakwood Blvd., Chicago, Ill.

- ALLEN, Jesse B. (Associate-Member, 1915), Engr., Kirkman's Sons, 215 Water St., and *for mail*, 1137 Bergen St., Brooklyn.
- ALLEN, John L. (1911), Factory Mgr., Mason Motor Co., 46 E. Lafayette Ave., and *for mail*, 358 Garland Ave., Detroit, Mich.
- ALLEN, John R. (1894; 1903), Dean College of Engrg. and Arch., Univ. of Minn., and 2421 Grand Ave., South, Minneapolis, Minn.
- ALLEN, P. J. (Associate-Member, 1914), Mem. Am. & Brazilian Engrg. Co., Caixa Postal 64, Curitiba, Parana, Brazil, S. A.
- *ALLEN, Thomas H. (1912), Capt., 306th Engrs., Camp Jackson, Columbia, S. C., Cons. Engr., 205 Bank of Commerce Bldg., and 1114 Union Ave., Memphis, Tenn.
- *ALLEN, Walter C. (Junior, 1905), Major, Signal Corps, Amer. Exped. Forces, France, Pres. Yale & Towne Mfg. Co., 9 E. 40th St., New York, N. Y., and Shippan Ave., Shippan Point, Stamford, Conn.
- ALLEN, William D. (1911), Cons. and Contr. Htg. and Vent. Engr., 951 Stuart Bldg., and 3615 E. Pine St., Seattle, Wash.
- ALLEN, W. Harwell (1911; Associate-Member, 1917), Secy., Treas., Allen-Scales Engrg. Co., 207-209 Church St., and 114 17th Ave., N., Nashville, Tenn.
- ALLEN-TUCK, James, Jr. (Junior, 1915), Struc. Engr., Stone & Webster, Boston, Mass., and *for mail*, 108 Intervale St., Dorchester, Mass.
- ALLERTON, Robert W. (1913), Supt. Erecting Dept., Henry R. Worthington, Harrison, and *for mail*, 216 Garfield Pl., South Orange, N. J.
- ALLGRUNN, Frederick S. (Associate-Member, 1917), Process Engr., Remington Arms U. M. C. Co., Inc., Boston Ave., and *for mail*, 1019 Howard Ave., Bridgeport, Conn.
- ALLINGHAM, Henry W. (1916), Cons. Production Engr., The Manor Sharston, Northenden, Cheshire, England.
- ALLISON, Daniel K. (1913), Ch. Draftsman, Mch. Designer, The J. H. Day Co., 1144 Harrison Ave., and *for mail*, 2723 Euclid Ave., Cincinnati, O.
- ALLISON, James E. (1914), Cons. Engr., 300 Security Bldg., and 5825 Cates Ave., St. Louis, Mo.
- *ALLISON, John F. (Junior, 1910), 1st Lieut., 3rd Reg't., Pa. Mch. Gun Co., Ft. Bliss, Tex., M. E. Dept., Univ. of Pa., Philadelphia, Pa., and *for mail*, P. O. Box 106, Riverton, N. J.
- ALLISON, Laurence M. (Junior, 1915), Ch. Engr., Lawson Aircraft Corp'n, and *for mail*, Box 801 Green Bay, Wis.
- ALLMAN, John H. (1913), Mgr. Stand. Steel Car Co., Forged Steel Wheel Co., and *for mail*, 228 W. Pearl St., Butler, Pa.
- *ALLYN, Robert S. (Associate, 1909), Major, 9th Coast Def. Command, C. A. C., N. A., Mem. of Firm, Mitchell & Allyn, 41 Park Row, New York, and 24 Irving Pl., Brooklyn, N. Y.
- ALMERT, Harold (1914), Cons. Engr., 1166 The Rookery Bldg., and Parkway Hotel, Chicago, Ill.
- ALMIRALL, Juan A. (1892; 1904), Htg. and Vent. Engr., 1 Dominick St., New York, and 97 McDonough St., Brooklyn, N. Y.
- ALMY, Thomas R., Jr. (Associate, 1916), Plant Engr., Falulah Paper Co., and 37 Day St., Fitchburg, Mass.
- ALPERN, Maxwell (1916), Genl. Sales Mgr., Am. Engrg. Co., Philadelphia, and 425 Upsal St., Germantown, Philadelphia, Pa.
- ALQUIST, Karl (1915), 12 N. Ferry St., Schenectady, N. Y.
- ALRICH, Herbert W. (1915), Asst. Engr. Constr., Consld. Gas Co. of N. Y., 130 E. 15th St., and 559 W. 164th St., New York, N. Y.
- ALSBERG, Julius (Junior, 1905), Cons. Engr., 5438 Ellis Ave., Chicago, Ill.
- ALSFELDER, Ferd P. (Junior, 1916), Draftsman, The Lunkenheimer Co., and *for mail*, 3831 Edge Hill Ave., Cincinnati, O.

- ALTA, Lucas N. (1896), M. E., L. N. Alta & Co., 48 Binnenkant, Amsterdam, and *for mail*, Breede Weg, 26, Watergraafsmeer, Holland.
- ALVERSON, Harry B. (1915), E. E., Buffalo Gen. Elec. Co., 200 Electric Bldg., and 688 Seventh St., Buffalo, N. Y.
- ALVORD, C. H. (Associate, 1903), V. P., Genl. Mgr., The Hendey Mch. Co., and 115 Litchfield St., Torrington, Conn.
- AMBLER, Nathan B. (1915), Supt. Gen. Sta. The Toronto Power Co., Ltd., and 68 N. Main St., Niagara Falls, Ont., Canada.
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- ANDERSON, Howard L. (1907; 1916), M. M., Am. Sheet & Tin Plate Co., Vandergrift, Pa.
- ANDERSON, James, Jr. (1917; 1917), Supt. Pipe Line Dept., Stand. Oil Co. of La., and 627 Herndon Ave., Shreveport, La.
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- ARMSTRONG, Walter J. (Junior, 1907), Mgr. Pulverizer and Crusher Dept., The Jeffrey Mfg. Co., and *for mail*, 904 Neil Ave., Columbus, O.
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- BAILEY, Frederic W. (Junior, 1901), Ch. Draftsman, Buffalo Forge Co., 490 Broadway, and *for mail*, 349 Crescent Ave., Buffalo, N. Y.
- BAILEY, Harry E. B. (1912), M. E., Am. Steel & Wire Co., 94 Grove St. and 19 Dover St., Worcester, Mass.

- BAILEY, Hazil H. (1910; Associate-Member, 1917), Resident Engr., E. W. Clark & Co. Management Corp'n, Huntington Bank Bldg., Columbus, O., and care of Nashville Ry. & Light Co., Nashville, Tenn.
- BAILEY, Leydard M., (1914), Genl. Mgr., Portland Cement Co. of Utah, Box 1419 and 127 Twelfth East St., Salt Lake City, Utah.
- BAILEY, Wm. J. (1910; 1917), East. Sales Mgr., United Coal Corp'n, Pennsylvania Bldg., Philadelphia, and *for mail*, 514 Essex Ave., Narberth, Pa.
- BAILLIERE, Marion V. (1913; 1917), M. E., N. Y. C. R. R. Co., W. 3rd and St. Clair, Cleveland, and *for mail*, 151 W. Main St., Norwalk, O.
- *BAIRD, James T., Jr. (Junior, 1914), Capt., O. D., U. S. R., 56 Ellsworth Ave., New Haven, Conn.
- *BAIRD, Lyman S. (Junior, 1917), 1st Lieut., Av. Sect., S. O. R. C., U. S. A., 288 W. Third St., St. Paul, Minn.
- BAKER, Arthur J. (1913), Engr., Cincinnati Milling Mch. Co., Cincinnati, and *for mail*, 3442 Wellstone Pl., Hyde Park, Cincinnati, O.
- BAKER, Charles H. (1903; 1915), M. E., Pub Serv. Elec. Co., 80 Park Pl., Newark, and 192 Central Ave., East Orange, N. J.
- BAKER, Charles H., Jr. (Junior, 1917), Norton Co., Worcester, Mass.
- BAKER, C. T. (Associate-Member, 1917), Ch. Engr., South, Utilities Co., 916 Heard Natl. Bank Bldg., and 1825 Laura St., Jacksonville, Fla.
- BAKER, Charles Whiting (1893), Vice-President, 1909-1911; Cons. Eng., Pres. Baker Economics Transport Corp'n, 31 Nassau St., New York, N. Y., and *for mail*, 20 S. Mountain Ave., Montclair, N. J.
- BAKER, Dickerson G. (1905), 32 W. 40th St., New York, N. Y.
- BAKER, Donald A. (Associate-Member, 1917), Ch. Tool Designer, Am. Car Co., Edgewater, N. J., Tool and Exper. Engr., Layman Pressed Rod Co., 1790 Broadway, New York, and *for mail*, 267 Park Pl., Brooklyn, N. Y.
- BAKER, Frank D. (1893), Ch. Engr. Colo. Dept., Am. Smelting & Refining Co., 750 Equitable Bldg., and *for mail*, 3221 Franklin St., Denver, Colo.
- BAKER, Irving C. (Junior, 1916), Am. Blower Co., 1400 Russell St., Detroit, Mich.
- BAKER, John C. W. (1904), M. M., Rubber Regenerating Co., and *for mail*, 153 Millville Ave., Naugatuck, Conn.
- BAKER, Norman L. (1916), Wks. Engr., Am. Steel Foundries, 2039 E. Broadway, East St. Louis, Ill., and 1206 Hamilton Ave., St. Louis, Mo.
- BAKER, Orth K. (1913), Supt., Internatl. Portland Cement Corp., 30 E. 42d St., New York, N. Y., and *for mail*, Compania Argentina de Cemento Portland, 46 Reconquista, Buenos Aires, Argentine, S. A.
- *BAKER, Philip C. (Junior, 1917), Lieut. Aviation Sec., Signal S. O. R. C., and *for mail*, 79th Aero Squad., Am. Ex. Force, via N. Y.
- BAKER, Robert E. (1915), Secy., Treas., Arthur G. McKee & Co., 1301 Rockefeller Bldg., and 9400 Euclid Ave., Cleveland, O.
- BAKER, William E. (1902), E. E., W. E. Baker & Co., 105 W. 40th St., and 667 Madison Ave., New York, N. Y.
- BAKER, William H. (1915) Box. 603 Hannibal, Mo.
- BALDWIN, Abram T. (1899; 1902), Life Member; Pres., Genl. Mgr., Precision Instrument Co., 100 Beaubieu St., and 345 East Grand Blvd., Detroit, Mich.
- BALDWIN, Alden W. (Junior, 1912), Instr. M. E. Towne Scientific Sch., Univ. of Pa., Philadelphia, and *for mail*, 1243 S. 53rd St., West Philadelphia, Pa.
- BALDWIN, Arthur J. (Associate, 1917), Publisher, V. P., Treas., McGraw-Hill Publishing Co., Inc., 10th Ave. and 36th St., New York, N. Y.
- *BALDWIN, Bert L. (1890), Major, E. O. R. C., M. E., E. E., 2nd Natl. Bank Bldg., and *for mail*, 2529 Bell Pl., Cincinnati, O.

- BALDWIN, C. Kemble (1905), V. P., Chicago, Mrg., Robins Conveying Belt Co., 1105 Old Colony Bldg., and 5438 Harper Ave., Chicago, Ill.
- BALDWIN, Harry G. (1916), Supt. S. K. F. Ball Bearing Co., 330 New Park Ave., and *for mail*, 404 Prospect Ave., Hartford, Conn.
- BALDWIN, Henry S. (1913), M. and E. E., Genl. Elec. Co., West Lynn, and 141 Elmwood Rd., Swampscott, Mass.
- BALDWIN, Oscar H. (1889), London Office Mgr., British Westinghouse Elec. & Mfg. Co., Ltd., 2 Norfolk St., Strand, London, England.
- BALDWIN, Wm. J. (1882), Cons. Engr., Steam Plants and Smoke Abatement, 601 World Bldg., New York, and 151 Halsey St., Brooklyn, N. Y.
- BALKWILL, Stephen (1903) Pres., the Balkill Manganese Crossing Co., 506 Williamson Bldg., and *for mail*, 1808 E. 82d St., Cleveland, O.
- BALL, Bert C. (1898; 1904), Pres., Williamette Iron & Steel Wks., foot N. 17th St., and 482 Harrison St., Portland, Ore.
- BALL, Charles P., Jr. (Junior, 1917), Estimator, Bullard, Mch. Tool Co., and *for mail*, 430 Warren St., Bridgeport, Conn.
- BALL, Frank H. (1884), Manager, 1888-1891; Vice-President, 1894-1896; Mgr. Carburetor Dept., Penberthy Injector Co., and 109 Willis Ave., W., Detroit, Mich.
- BALL, Herman F. (1913), Pres., Economy Devices Corp., 30 Church St., New York, N. Y., and Englewood, N. J.
- BALL, Philip DeC. (1899), Prop. Ice and Cold Mch. Co., 3003 N. Broadway, St. Louis, Mo.
- BALLANTINE, John H. (Junior, 1917), V. P., Neptune Meter Co., Jackson Ave. and Crane St., Long Island City, N. Y., and service in France.
- BALLARD, A. M. (Junior, 1917), Genl. Mgr., Rowland Gasoline Co., Drumright, Okla.
- BALLARD, Frederick W. (1907), Sr. Mem. of Firm, F. W. Ballard & Co., Swetland Bldg., Cleveland, and 1849 Cadwell Ave., Cleveland Heights, Cleveland, O.
- BALLENTINE, William I. (1912), V.P., Advance-Rumely Co., and *for mail*, Rumely Hotel, La Porte, Ind.
- BALLIN, Alfred E. (Associate, 1906), Pres. McIntosh & Seymour Corp., and 100 South St., Auburn, N. Y.
- BALLINGER, Walter F. (1913), Balinger & Perrot, N. W., cor. 17th and Arch Sts., Philadelphia, and 304 E. Walnut Lane, Germantown, Philadelphia, Pa.
- BALLOU, F. H. (Associate-Member, 1915), Asst. Ch. Engr., The Great Western Sugar Co., and 223 Wyoming Ave., Billings, Mont.
- BALLOU, J. Ladd (Junior, 1915), 215 Cross St., Wheaton, Ill.
- BALLOU, John McK. (Junior, 1916), Ch. Engr. Cal. Aviation Co., 451 Colyton St., and *for mail*, 1133 W. 51st Pl., Los Angeles, Cal.
- BALOUGH, Charles (1915) Secy. and Treas. The Hercules Motor Mfg. Co., and 1411 Market Ave., N., Canton, O.
- BALTZELL, Will H. (1910), Ch. Engr., Canadian Steel Corp., Ltd., Objibway, and 167 Duellette Ave., Windsor, Ontario, Canada.
- BALZ, George A. (1912; 1916), V. P., Mgr., Didier-March Co., P. O. Box 327 Perth Amboy, and *for mail*, 7 Jacques Ave., Rahway, N. J.
- BALZARI, Robert A. (1916) Cons. Engr., Eastern Nevada Power Co., 1 Montgomery St., care Westinghouse Elec. and Mfg. Co., San Francisco, and 1550 High St., Alameda, Cal.
- BALZER, Fritz (1911; 1913), M. E. Charge Drafting Dept., Troy Laundry Mchy. Co., Ltd., La Salle and 23d Sts., and *for mail*, 1628 W. 101st St., Chicago, Ill.
- BAMFORD, Charles J. (Associate-Member, 1915), M. E. Buffalo Cold Storage Co., Buffalo, and 43 Knowlton Ave., Kenmore, N. Y.

- BANASH, James I. (1917), Serv. Engr., Underwriters' Labs., 207 E. Ohio St., Chicago, Ill.
- BANCEL, Paul A. (Junior, 1912) M. E., The Geo. H. Gibson Co., 1119 Tribune Bldg., New York, N. Y.
- BANCH, Ladislaus B. (Associate-Member, 1916) Designing Engr., Corrigan, McKinney & Co., Perry-Payne Bldg., and 2043 E. 77th St., Cleveland, O.
- BANKER, James W. (1913), Asst. Genl. Supt. West. Elec. Co., Inc., Hawthorne St., Chicago, and 400 N. Scoville Ave., Oak Park, Ill.
- BANCROFT, Charles F. (1911), Supt. M. P. and Mch'y., Bay State St. Ry. Co., 245 State St., and 159 Bay State Rd., Boston, Mass.
- BANCROFT, George A. (Junior, 1910) Designer, Aultman & Taylor Mch'y. Co., Diamond St., and *for mail*, 26 Poplar St., Mansfield, O.
- BANCROFT, George H. (Junior, 1916), Purch. Agt., Steere Engrg. Co., 6 Horton Ave., and *for mail*, 1716 W. Grand Blvd., Detroit, Mich.
- BANCROFT, J. Sellers (1880), Manager, 1909-1911; Vice-President, 1915-1917; Genl. Mgr., M. E. Lanston Monotype Mch. Co., 24th and Locust Sts., and *for mail*, 917 Pine St., Philadelphia, Pa.
- BANCROFT, Joseph (1914), V. P., Joseph Bancroft & Sons Co., Wilmington, Del.
- BANCROFT, Wilfred (1912), Slatersville Finishing Co., Slatersville, R. I., and 29 St. Pauls Rd., Ardmore, Pa.
- BANFIELD, Frederic E., Jr. (Junior, 1909) Asst. Supt., Saco-Lowell Shops, Newton Upper Falls, and *for mail*, 84 Hancock Ave., Newton Centre, Mass.
- BANFIELD, Stanley M. (Junior, 1914), 6 Hackfeld Rd., Worcester, Mass.
- BANGS, George H. (Associate Member, 1916) Asst. Wks. Mgr., Lidgerwood Mfg. Co., Foot of Dikeman St., and 1026 84th St., Brooklyn, N. Y.
- BANKER, Walter B. (Associate-Member, 1917), Res. Engr., E. I. duPont de Nemours & Co., Wilmington, Del.
- BANKS, Frederick R. (Associate-Member, 1917), Engr. of Equip. Comm. Div., Remington Arms Union Metallic Cartridge Co., and 1237 Noble Ave., Bridgeport, Conn.
- BANKS, Thomas D. (Junior, 1910), Supt. Div., Garabge and Refuse Disposal, City of Columbus, City Hall, and *for mail*, Sta. E, Route 8, Columbus, O.
- BANKWITZ, Frederick E. (1914) Asst. Managing Engr. Fletcher-Thompson, Inc., 1089 Broad St., and 63 Chalmers Ave., Bridgeport, Conn.
- BANNISTER, John C. (1902), V. P., Walworth Mfg. Co., and 519 S. Tremont St., Kewanee, Ill.
- BANNON, Leo M. (Junior, 1908), M. E. Mansfield Bleachery, and *for mail*, 121 Oakland St., Mansfield, Mass.
- BANTA, John S. (1912), C. Draftsman, Am. Steel & Wire Co., and 1142 North Ave., Waukegan, Ill.
- *BAQUET, Camille, Jr. (1911), 2nd Lieut., 1st Co. Coast Artillery Corps, Ft. Mott, and *for mail*, Spotswood, N. J.
- BARANY, Edmund (Junior, 1916), M. E., Exec., Cleveland Twist Drill Co., and 1242 E. 49th St., Cleveland, O.
- BARBA, William P. (1915) Major Ordnance, U. S. A., 1330 F St., and *for mail*, The Arlington, Vermont Ave., Washington, D. C.
- BARBER, Clarence M. (1904), C. E., 83 Blaine Ave., Detroit, Mich.
- BARBIERI, Cesare (1908), M. E., Italian Military Mission, The Highlands, Washington, D. C.
- BARBOUR, George H. (1912), M. E., Carnegie Steel Co., Carnegie Bldg., and 6043 Stanton Ave., Pittsburgh, Pa.

- BARBOUR, Robert (Associate-Member, 1916), Pres., Barbour Flax Spinning Co., 418 Grand St., and 64 Prince St., Paterson, N. J.
- BARBOZA, Arthur S. (1906), Rua Senador Pompeu, 268, E. F. C. B., Rio de Janeiro, Brazil, S. A.
- BARCLAY, William (Associate-Member, 1916), Ch. Engr., R. & J. Dick, Ltd., and *for mail*, 311 Van Houten Ave., Passaic, N. J.
- BARDEN, Julius C. (Associate-Member, 1915), Assoc. Dir. Bureau Insp. & Accident Prevention, Aetna Life Ins. Co., and 7 Chapin Pl., Hartford, Conn.
- BARDO, Benjamin F. (Junior, 1915), Inspr. Power Plants, N. Y. N. H. & H. R. R. Co., New Haven, and *for mail*, 255 William St., West Haven, Conn.
- BARDROF, Frank E. (Junior, 1915), Mch. Designer, Corning Glass Wks., and 140 E. First St., Corning, N. Y.
- BARELLI, John S. (1917), Agt., Heine Safety Boiler Co., 612 Godchaux Bldg., New Orleans, La.
- BAREUTHER, Adolph A. (Associate-Member, 1915), Ch. Inspr., The Panama Canal, and 509 Wardman Courts, E. 13th and Clifton Sts., Washington, D. C.
- BARGER, Lorin W. (1913), Ch. Draftsman, The T. H. Symington Co., and 301 Arnett Blvd., Rochester, N. Y.
- BARK, Elmer (1913), Engr., The Barrett Co., Frankford, and *for mail*, 1047 S. Ithan St., Philadelphia, Pa.
- BARKELEW, James T. (Associate, 1917), Engr., Patent Atty., 1017-18 Central Bldg., Los Angeles, Cal.
- BARKER, Ernest S. (Junior, 1916), Engr. in Charge, Chas. H. Scammell Co., Metropolitan Tower, New York, N. Y.
- *BARKER, George S. (Junior, 1916), 1st Lieut., O. D., U. S. A., and *for mail*, R. D. No. 1, Bridgeport, Pa.
- BARE, Bert (Junior, 1917), Draftsman, Skandia Pacific Oil Eng. Co., 2893 Glasscock St., Oakland, and *for mail*, 2975 Clay St., San Francisco, Cal.
- BARKLEY, Fred W. (1913), Cons. Engr., 161 Devonshire St., Boston, and 42 Waldemar Ave., Winthrop, Mass.
- BARLOW, Edwin H. (Junior, 1913), M. E., Stand. Oil Co., and 1240 Clinton Pl., Elizabeth, N. J.
- BARNABY, Chas. W. (1884), Cons. Engr., 257 Hamilton Ave., New Brighton, S. I., N. Y.
- BARNABY, Ralph S. (Junior, 1915), Asst. Ch. Engr., Stand. Aero Corp'n, of N. Y., Plainfield, N. J., and *for mail*, 257 Hamilton Ave., New Brighton, N. Y.
- BARNARD, Wm. N. (1900; 1905), Prof. Power Engrg., Sibley College, Cornell Univ., and 7 South Ave., Ithaca, N. Y.
- BARNES, Arthur F. (1910; Associate-Member, 1916), Dean Engrg., New Mex. State College, State College, New Mex.
- BARNES, Charles B. (1905; 1908), M. E., West Elec. Co., Hawthorne Sta., Chicago, and *for mail*, 830 N. Euclid Ave., Oak Park, Ill.
- BARNES, E. Austin (1905; 1907), M. E. Semet-Solvay Co., and 322 Farmer St., Syracuse, N. Y.
- BARNES, Eugene L. (1916), Dist. Mgr., Am. District Steam Co., 1507 Hoge Bldg., and 2321 33rd Ave., S., Seattle, Wash.
- BARNES, Frederick A. (1916), M. E., Geo. S. Rider & Co., 512 Century Bldg., and *for mail*, 1500 Rydal Mount Rd., Cleveland, O.
- BARNES, Howel H., Jr. (1910), Dist. Engr., Genl. Elec. Co., 120 Broadway and 32 W. 40th St., New York, N. Y.
- BARNES, John S. (1913), Secy., Treas., W. F. & John Barnes Co., Rockford, Ill.

- BARNES, Stuart G. (1899; 1902), Solvay Process Co., and 310 West Blvd., Detroit, Mich.
- BARNES, Walter E. (1915), Pres., Treas., Consld. Engrg. Co., 335 W. 28th Pl., and 4310 Clarendon Ave., Chicago, Ill.
- BARNES, W. F. (1886), 813 N. Main St., Rockford, Ill.
- BARNES, Wilbur J. (Junior, 1917), Efficiency Engr., The Harwood Elec. Co., and *for mail*, 189 N. Lee Court, Hazleton, Pa.
- BARNES, William O. (1908), Cons. Engr., 770 Main St., Leominster, Mass.
- BARNETT, Carl P. (1913), Struc. and Mech. Engr., Wilson & Co., 41st and Ashland Ave., and 1532 E. 68th St., Chicago, Ill.
- BARNEY, E. E. (1912), Genl. Supt., Remington Typewriter Wks., and 28 Prospect Ave., Ilion, N. Y.
- BARNHURST, Henry G. (1916), Ch. Engr., Fuller Engrg. Co., and *for mail*, 1441 Hamilton St., Allentown, Pa.
- *BARNUM, C. Leslie (Associate-Member, 1914), Lieut. U. S. N. R. F., 280 Broadway, New York, and *for mail*, Vermont Terrace, Crestwood, Tuckahoe, N. Y.
- BARNUM, Geo. S. (1887), Pres., The Bigelow Co., and 237 E. Rock Rd., New Haven, Conn.
- BARNUM, Starr H. 2nd (1913; Associate-Member, 1916), Secy., The Bigelow Co., and *for mail*, 117 Avon St., New Haven, Conn.
- BARNUM, Theodore P. (Associate, 1915), Secy., Barnum Bros. Co., 179 River St., Troy, N. Y.
- BARNUM, Thomas E. (1913), Ch. Engr., Cutler-Hammer Mfg. Co., Milwaukee; and Wauwatosa, Wis.
- BARON, Leopold (Junior, 1913), V. P., Genl. Mgr., Carbolite Chem. Co., Inc., Genl. Mgr. Coaltas Engrg. Co., 120 Broadway, New York, N. Y., and *for mail*, Hillside Ave., Newark, N. J.
- BARR, Clarence D. (Associate-Member, 1915), Asst. Genl. Mgr., Am. Cast Iron Pipe Co., Box 908, and 1804 14th Ave., N. Birmingham, Ala.
- BARR, H. P. (1889; 1913), 32 W. 40th St., New York, N. Y.
- BARR, James A. (Junior, 1916), Designer, Edgewater Steel Co., and *for mail*, 414 Fifth St., Oakmount, Pa.
- BARR, James W. (Junior, 1913), Salesman, Vandyck Churchill Co., 529 Singer Bldg., New York, and 239 Prospect Pl., Brooklyn, N. Y.
- *BARR, John H. (1889), Manager, 1915-1918; Major, E. O. R. C., Trench Warfare Div., and 2230 California St., Washington, D. C.
- BARR, Kester (Junior, 1915), Purchasing Agt. Curtiss Aëroplane Co., and *for mail*, 597 Linwood Ave., Buffalo, N. Y.
- BARR, William H. (Associate, 1911), Pres., Lumen Bearing Co., 1155 Sycamore St., Buffalo, N. Y.
- BARRATT, Edgar G. (1888), Pres., Union Bag & Paper Co., 17 Battery Pl., New York, N. Y., and *for mail*, 133 Harrison St., East Orange, N. J.
- BARRE, Herbert A. (1912), E. E. Southern Cal. Edison Co., Edison Bldg., and 5337 Sixth Ave., Los Angeles, Cal.
- BARRETT, Dwight O. (Junior, 1912), M. E., The Buckeye Mch. Co., and 1021 Rice Ave., Lima, O.
- BARRETT, George E. (1916), Sprague Elec. Wks., Genl. Elec. Co., Bloomfield, and *for mail*, 258½ Glenwood Ave., East Orange, N. J.
- BARRETT, John H. (1913), Genl. Mgr., Stand. Steel Tank & Mfg. Co., 2336 Henry W. Oliver Bldg., Pittsburgh, Pa., and *for mail*, 8609 Wade Park Ave., Cleveland, O.
- BARRETT, Walter A. (1906; 1917), M. E. The Bass Fdy. & Mch. Co., and 905 Wildwood Ave., Fort Wayne, Ind.

- BARRETT, William F. (1915), Cons. Engr., 42d St., Bldg., New York, and 309 Cliff Ave., Pelham, N. Y.
- BARRON, Alexander F. (Junior, 1916), Draughtsman, U. S. Metals Refining Co., E. Chicago, and *for mail*, 2314 E. 70th St., Chicago, Ill.
- BARRON, Claude M. (1910; Associate-Member, 1914), Cons. Engr., Chas. M. Terry, Inc., 23-25 Beaver St., New York, and Princess Bay P. O., R. F. D. No. 80B, S. I., N. Y.
- BARROWS, Lee E. (1908; 1912), The Tex. Co., Box 983, Fort Worth, Tex.
- BARRUS, Geo. H. (1883), Vice-President, 1905-1906; Expt. and Cons. Steam Engr., 12 Pemberton Sq., Boston, and 180 Winchester St., Brookline, Mass.
- BARRY, J. Joseph (Junior, 1916), M. E., 67 Main St., Middletown, Conn.
- BARSTOW, Francis L. (1905; 1911), Engr. Leitch & Barstow, 374 Main St., and 691 State St., Springfield, Mass.
- BARTH, Carl G. (1898), Senior Mem., Carl G. Barth & Son, 6151 Columbia Ave., Philadelphia, Pa.
- BARTLETT, Charles H. (1908), Htg. and Vent. Engr., R. D. Kimball & Co., 6 Beacon St., Boston, and *for mail*, 5 Lewis Rd., Winchester, Mass.
- BARTLETT, D. Dana (Associate, 1915), Cons. Engr., 44 W. 44th St., New York, N. Y., and *for mail*, 14 Charlesgate, W., Boston, Mass.
- BARTLETT, Dwight K. (1910), Asst. Treas., Builders Iron Fdy., and 31 Benevolent St., Providence, R. I.
- BARTLETT, Edwin E. (1913), Proprietor, 41 Crown St., and "The Burns," Nashua, N. H.
- BARTLETT, George M. (1911), Ch. Engr., Diamond Chain & Mfg. Co., 241 W. Georgia St., and *for mail*, 2609 N. Delaware St., Indianapolis, Ind.
- BARTLETT, Henry (1897), Ch. Mech. Engr., Boston & Me. R. R., N. Sta., Boston, and *for mail*, 51 Highland St., Cambridge, Mass.
- BARTOL, Geo. (1886), Pres., The Otis Steel Co., Cleveland, O.
- *BARTON, Charles R. (Junior, 1914), 2nd Lieut., O. R. C. Engr. Edge-water Steel Co., Pittsburgh, and *for mail*, 316 Fifth St., Oakmont, Pa.
- BARTON, Henry L. (1903), Asst. Dir. of Production, Genl. Motors Co., cor. Brush and Congress Sts., and 526 St. Paul Ave., Detroit, Mich.
- BARTON, Raymond L. (Associate-Member, 1915), Draftsman, Checker Am. Car & Fdy. Co., 319 N. 3d St., St. Charles, Mo.
- BARUCH, Milton (Junior, 1914), Elec. and Mech. Engr., Llewellyn Iron Wks., and 2508 Harvard Blvd., Los Angeles, Cal.
- BASCOM, Rollin S. (Associate-Member, 1914), Supt. A. J. Smart Mfg. Co., and *for mail*, 4 Union St., Greenfield, Mass.
- BASFORD, Geo. M. (1889; 1891), Manager, 1906-1909; Pres., Loco. Feed Water Heater Co., 30 Church St., New York, and 134 Primrose Ave., Mt. Vernon, N. Y.
- BASINGER, James G. (1907), Cons. Engr., 52 Broadway, New York, N. Y.
- BASS, Willard J. (1914; 1916), Engr., U. S. Yards, Armour & Co., and *for mail*, 817 E. 50th St., Chicago, Ill.
- *BASSETT, Charles K. (Junior, 1917), Lieut. O. D., U. S. R., Design Sect., Gun Div., and 3926 14th St., N. W., Washington, D. C.
- BASSETT, Cyrus W. (Junior, 1915), with Budd Wheel Corp'n., 25th St. and Hunting Park Ave., Philadelphia, Pa.
- BASSETT, George B. (1914), Pres., Genl. Mgr., Buffalo Meter Co., 2917 Main St., and 695 W. Ferry St., Buffalo, N. Y.
- BASSETT, Robert S. (Junior, 1917), Treas., Buffalo Meter Co., and *for mail*, 48 Inwood Pl., Buffalo, N. Y.

- BASSETT, Royal M. (Associate-Member, 1914), Dist. Sales Mgr., Murphy Iron Wks., 202 Stephen Girard Bldg., Philadelphia, Pa.
- BASTABLE, William M. (1915), Sales Engr., Lincoln Elec. Co., 149 Broadway, New York, N. Y.
- BATCHELDER, Asa F. (1903), Engr. Ry. Loco. Dept., Genl. Elec. Co., and R. F. D. 2, Schenectady, N. Y.
- BATEMAN, Edward L. (Associate, 1897), M. E., Herbert Ainsworth, P. O. Box 1671, Johannesburg, and Sui-ko-Kan, Sherbourne Rd., Parktown, Johannesburg, Transvaal, S. A.
- BATEMAN, Paul (Associate-Member, 1917), Supt. People's Tank-Line Co., Coffeyville, Kansas, and *for mail*, 519 Lee Ave., Webster Groves, Mo.
- BATEMAN, George W. (1909; 1914), Gen. Pur. Agt., Sullivan Mch. Co. and *for mail*, 108 Pleasant St., Claremont, N. H.
- BATES, Adelmer, M. (1912), Pres., Bates Valve Bag Co., 7310 S. Chicago Ave., and 1417 Hyde Park Blvd., Chicago, Ill.
- BATES, Albert Harlan (1890; 1912), Pat. Lawyer, 1028 Society for Savings Bldg., and 2935 Hampshire Rd., Cleveland, O.
- BATES, Albert Henry (1907; 1913), M. E., 2819 W. 42d St., Minneapolis, Minn.
- BATES, Charles J., Jr. (1913), Cons. Engr., The Viscolord Co., Leominster, Mass., and Highwood, N. J.
- BATES, Daniel M. (1912), Agt., Lewiston Bleachery & Dye Works., and cor. Pine and Webster Sts., Lewiston, Me.
- BATES, Edward C. (1899), 122 Marlboro St., Boston, Mass.
- BATES, Edward P. (1891), Life Member: Pres., Edward P. Bates Co., Inc., 228 W. Water St., and 102 Lincoln Park Drive, Syracuse, N. Y.
- BATES, Erastus N., Jr. (1917), Asst. Prof. M. E., Pa. State College, 110 Engrg. Bldg., and *for mail*, 501 Fairmont Ave., State College, Pa.
- BATES, Francis E. (Associate, 1913), Dept. Mgr., The Am. Thread Co., 260 W. Broadway, New York, N. Y.
- BATES, George H. (1914), Secy., Treas., S. I. Shipbuilding Co., Port Richmond, S. I., N. Y., and *for mail*, 18 Hampton St., Cranford, N. J.
- BATES, Harry H. (1916), V. P., Joliet Oil Tractor Co., Secy., Bates Mch. Co., and *for mail*, 225 4th Ave., Joliet, Ill.
- *BATES, Harry Howard (Junior, 1916), 1st Lieut., O. O. R. C., 1802 16th St., N. W., Washington, D. C.
- BATES, James H. S. (1914), Cons. Engr., 85 Wall St., New York, N. Y., and *for mail*, P. O. Box 118, Hoboken, N. J.
- BATHGATE, Owen H. (1912), Wks. Power Engr., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 527 North Ave., Wilkinsburg, Pa.
- BATT, William L. (Junior, 1911), Sales Mgr., The Hess-Bright Mfg. Co., Front St. and Erie Ave., Philadelphia, and 216 Wyncote Rd., Jenkintown, Pa.
- *BATTEN, Loring W., Jr. (Junior, 1916), Ensign, U. S. N., U. S. S. *Wyoming*, care Postmaster, and 3 Chelsea Sq., New York, N. Y.
- BATTEN, Percy H. (1901; 1910), Wks. Mgr., Wallis Tractor Co., Racine, Wis.
- BAUER, Chas. L. (1900; 1901), Pres., The Bauer Bros. Co., and 1215 E. High St., Springfield, O.
- BAUER, George A. (Associate, 1917), V. P., W. E. Shinlev Mch. Co., 1500 Morris Building, Philadelphia, and Elkins Pk., Montgomery, Pa.
- BAUER, Thomas (1912), Pres., Genl. Mgr., Lafayette Box Board & Paper Co., Lafayette, Ind.
- BAUGHMAN, Isaac N. (Junior, 1916), Agri. Engr. and Mgr., Marseilles, Ill.

- BAUHAN, Alexander E. (1914; Associate-Member, 1917), Sta. Supt. Pa. Water & Power Co., Holtwood, Pa.
- BAUM, Frank G. (1906), Cons. Engr., 1901-1902 Hobart Bldg., San Francisco, and 117 Sheridan Ave., Piedmont, Cal.
- BAUM, I. Albert (Associate-Member, 1916), Asst. Mgr., LaSalle Engrg. Co., 337 W. Madison St., and 5302 Ellis Ave., Chicago, Ill.
- BAUM, Robert S. (Junior, 1912), 1749 Cherokee Ave., Hollywood, Cal.
- BAUMES, Palmer B. (Associate, 1916), Pres., Baumes-McDevitt Mchy. Co., 1984 Ry. Exch. Bldg., and 6061 Berlin Ave., St. Louis, Mo.
- BAUMGARTNER, Arthur A. (Junior, 1917), Mgr. Superior Mfg. Co., 1109 Race St., and 5331 Chester Ave., West Philadelphia, Pa.
- BAUMGARTNER, Charles G. (1913), Acting Asst., M. E., Am. Bridge Co., Rm. 1396, 208 S. La Salle St., Chicago, and *for mail*, 305 N. Ashland Ave., River Forest, Ill.
- BAUMIS, Frank J. (Associate, 1916), Asst. Wks. Mgr., Putnam Mch. Co., and 17 Thomas St., Fitchburg, Mass.
- BAUSCH, Carl L. (1911; Associate-Member, 1913), Supt. Bausch & Lomb Optical Co., 635 St. Paul St., and 260 Dorchester Rd., Rochester, N. Y.
- BAUSCH, Frederick E. (1904), Mgr., The Hooven, Owens, Rentschler Co., 1607 Chemical Bldg., and 6133 Berlin Ave., St. Louis, Mo.
- BAUSH, William H. (1904), Sales Mgr., Natl. Equip. Co., and 64 Magnolia Terrace, Springfield, Mass.
- BAVIER, Charles S. (Associate, 1907), Ch. Engr., Metro. Life Ins. Co. Bldg., 1 Madison Ave., New York, N. Y.
- BAXTER, Burke M. (1908; 1914), with H. B. Prather Cons. Engrs., 662 Rockefeller Bldg., Cleveland, O.
- BAXTER, Henry N. (Junior, 1914), Ch. Draftsman Cole Motor Car Co., and *for mail*, 2602 N. Illinois St., Indianapolis, Ind.
- BAXTER, William C. (Junior, 1916), Supt., Meter Dept., Wichita Pipe Line Co., Drawer F, Bartlesville, Okla.
- BAYARD, Robert A. (1914), Resident Supt. Norton Co., Chippawa, Ont., Canada, and *for mail*, 170 Buffalo Ave., Niagara Falls, N. Y.
- BAYER, Lloyd F. (Junior, 1915), Ch. Engr., Tidal Gasoline Co., Box 1733 and 615 S. Elmwood Ave., Tulsa, Okla.
- BAYFIELD, Henry A. (1913), M. E. Insp. Munitions Board, and 2086 Granite St., Victoria, B. C., Canada.
- BAYLE, Emile J. (1907) 254 W. 76th St., New York, N. Y.
- BAYLEY, Guy L. (1911), Federal Export Corp'n, 115 Broadway, New York, N. Y., and 240 W. Delaware Ave., Burlington, N. J.
- BAYLEY, William (1904), Pres., Ch., Engr., Wm. Bayley Co., and *for mail*, 521 S. Fountain Ave., Springfield, O.
- BAYLIS, Arthur R. (1905; 1906), Asst. Engr. Constr., I. R. T. Co. N. Y. Rys. Co., 621 Broadway, New York, and *for mail*, 371 Lakeview Ave., Rockville Center, L. I., N. Y.
- BAYLIS, John R. (Associate-Member, 1916), Chemist, Baltimore Filtration Plant, and *for mail*, 3402 Harford Ave., Baltimore, Md.
- BAYLIS, Robt. N. (1892), Pres., Engr., The Baylis Co., Bloomfield, N. J.
- BAYLIS, Roger V. (Junior, 1916), Engrg. Dept., Neptune Meter Co., 192 Jackson Ave., Long Island City, N. Y.
- BAYNE, George H. (1911) M. E., Pa. Coal & Coke Corp., 17 Battery Pl., and 561 W. 141st St., New York, N. Y.
- BEACH, Charles S. (Junior, 1885), Designer, Machinist, 745 Main St., Bennington, Vt.
- BEACH, Harold K. (Junior, 1904), Meeh. Supt., Cleveland Brass & Copper Rolling Mills, Inc., Cleveland, and *for mail*, 1871 Noble Rd., East Cleveland, O.

- BEADENKOPF, George (1912), Ch. Engr. Consttd. Gas, Elec. Light & Power Co., Lexington and Liberty Sts., and 2604 Roslyn Ave., Baltimore, Md.
- BEAGHEN, Thomas, Jr. (1916), Master Car Builder, Union Tank Line Co., 26 Broadway, New York, and *for mail*, 426 S. 6th Ave., Mt. Vernon, N. Y.
- BEAKEY, Patrick J. (Associate-Member, 1915), Supvr. Type Dept., Royal Typewriter Co., New Park Ave., and *for mail*, 56 Newbury St., Hartford, Conn.
- BEALE, Horace A., Jr. (1915), Parkesburg, Pa.
- BEAL, Henry S. (Associate-Member, 1917), Asst. to Genl. Mgr., Jones & Lamson Mch. Co., and 27 Orchard St., Springfield, Vt.
- BEALL, Frank F. (Junior, 1902), V. P. Mfg., Packard Motor Car Co., and 59 Hendrie Ave., Detroit, Mich.
- BEAMAN, Elmer A. (1891), Treas., Beaman & Smith Co., Gordon and Reynolds Ave., and 237 Washington Ave., Providence, R. I.
- BEAMAN, P. Alden (Associate-Member, 1915), Asst. Supt., Geo. W. Prentiss & Co., and 37 Bay State Rd., Holyoke, Mass.
- BEAN, Clarence H. (1915), Asst. Supt. M. P., Armour & Co., U. S. Yards, and *for mail*, 5213 Harper Ave., Chicago, Ill.
- BEAN, Wiliam L. (1912), Asst. to Genl. Mech. Supt., N. Y., N. H. & H. R. R. Co., Rm. 201, Gen. Office Bldg., and 441 Ellsworth Ave., New Haven, Conn.
- BEAR, Oliver, L. (1913), Cons. Engr., Laundryowners Natl. Asso., La Salle, and 1719 Greenleaf Ave., Chicago, Ill.
- BEARD, James T., Jr. (Junior, 1916), W. R. Gough & Co., Ouray Bldg., Washington, D. C., and *for mail*, 126 St. James Pl., Brooklyn, N. Y.
- *BEARD, Theodore H. (Junior, 1917), Lieut., Sandy Hook Proving Ground, Fort Hancock, N. J.
- BEARDSLEY, William H. (Associate, 1917), Asst. Supt., Jones & Lamson Mch. Co., Springfield, Vt.
- BEATIE, Cecil E. (Junior, 1912), Engr., Simplex Refining Co., 343 Sansome St., and 639 Bush St., San Francisco, Cal.
- BEAUBIEN, James A. (1915), M. E., 30 Church St., New York, N. Y., and 360 Ogden Ave., Jersey City, N. J.
- BEAVER, Charles W. (1914), Export Mgr. Yale Products, Domestic Mgr., Hoist Dept., The Yale & Towne Mfg. Co., 9 E. 40th St., New York, N. Y., and Palisades Park, N. J.
- BEBB, J. C. (Associate, 1913), Otis Elev. Co., 11th Ave., and 26th St., New York, and 21 Ivy Close St., Forest Hills, L. I., N. Y.
- BECHERT, Fred J. (Junior, 1914), Asst. Examiner, U. S. Pat. Office, Div. 9, and 1814 Park Road, N. W., Washington, D. C.
- BECHTEL, August L. (Junior, 1911), Wks. Mgr., The Cleveland Punch & Shear Wks Co., 3917 St. Clair Ave., N. E., and 1455 E. 116th St., N. E., Cleveland, O.
- BECHTEL, John A. (Associate, 1900), Williamsburg, Va.
- BECK, Charles E. (Junior, 1911), Dist. Mgr., De la Vergne, Mch. Co., Victor Bldg., and *for mail*, 3529 Central St., Kansas City, Mo.
- BECK, James D. (1906), M. E., 2331 Constance St., New Orleans, La.
- BECK, Matthias A. (1886), V. P. and Ch. Engr., Milwaukee Elec. Crane Co., 60th and Greenfield Ave., and *for mail*, 294 Greenbush St., Milwaukee, Wis.
- BECKER, Adolf J. (Associate, 1914), Becker Steel Co. of Am., Inc., 90 West St., New York, N. Y.
- BECKER, Albert J. (1912), Prof. Applied Math., Univ. of N. D., and *for mail*, 915 Belmont Ave., Grand Forks, N. D.
- BECKER, Luther (Associate, 1913), Mgr. U. S. Steel Products Co., Batavia, Java, Dutch East India and Schuylkill Haven, Sch. Co., Pa.

- BECKJORD, Walter C. (Associate-Member, 1913), Am. Light & Traction Co., 120 Broadway, New York, N. Y.
- BECKSTRAND, Elias H. (1908), Prof. M. E., Univ. of Utah, Salt Lake City, Utah.
- BECKWITH, Henry C. (1913), Secy., Treas., Genl. Mgr., John F. Byers Mch. Co., Ravenna, O.
- BEDFORD, Russell B. (1914), Mgr. and Asst. Treas., R. S. Stokvis & Zonen, Inc., 17 Battery Place, New York, N. Y., and 307 W. Fullerton Pl., Montclair, N. J.
- BEDWORTH, Arthur H. (1917), Plant Engr., Remington Typewriter Co., and *for mail*, 610 Colorado Ave., Bridgeport, Conn.
- *BEEBE, Lawrence L. (1915), Capt., E. O. R. C., Asst. M. E. Office of Pub. Rds. and Rural Engrg., and 1440 Meridian Pl., Washington, D. C.
- BEECHER, Henry W. (1908; 1915), Mgr. Seattle Office, Chas. C. Moore & Co., Engrs., 618 Mutual Life Bldg., and 1616 E. Howell St., Seattle, Wash.
- BEEHLER, Weyman P. (Associate-Member, 1916), Lieut. U. S. N., Senior Engr. U. S. S. *Columbia*, care of Postmaster, New York, N. Y., and Navy Dept., Washington, D. C.
- BEEKLEY, Waldron C. (Associate-Member, 1916), Asst. Secy. Whitlock Coil Pipe Co., and *for mail*, 439 Edgewood St., Hartford, Conn.
- BEEKMAN, Henry M. (Junior, 1917), M. E., Primary Battery Div., Thomas A. Edison, Inc., Bloomfield, and *for mail*, Bedminster, N. J.
- *BEEN, Paul (Junior, 1917), Corp. 9th Engr. Train, Courchesne Bridge, El Paso, Texas.
- BEERBAUM, Arthur J. (Junior, 1914), Asst. Distributing House Inspr. West Elec. Co., Inc., Hawthorne Sta., and *for mail*, 3353 Lincoln Ave., Chicago, Ill.
- BEERS, Royce L. (Associate-Member, 1914), U. S. Radiator Corp'n, Broadway and Grand River Ave., and 42 Clarendon St., Detroit, Mich.
- BEESON, Alex C. (1916), Ch. Engr., Mine Mgr., Four States Coal Co., Worthington, W. Va.
- BEESON, Alphonzo C. (Associate, 1914), V. P., Genl. Mgr., Ind. Pipe Line Co., Bippus Block, and 1118 Warren St., Huntington, Ind.
- BEGG, Thomas K. (1917), Mech. Supt. Mfg. Dept., Bridgeport Brass Co., and *for mail*, 34 Richardson St., Bridgeport, Conn.
- BEHN, Carl (1903) Partner, Buffalo Refrig. Mch. Co., 126 Liberty St., New York, N. Y., and 31 Eppirt St., East Orange, N. J.
- BEHNEY, Charles C. (Associate-Member, 1914), M. E. Simplex Valve & Meter Co., 625 Wood St., Philadelphia, Pa., and *for mail*, 23 W. Madison Ave., Collingswood, N. J.
- *BEHR, Francis J. (1914), Capt., C. A. C., U. S. A., Hammond Radio Research Lab., Gloucester, Mass.
- BEHR, Hans C. (1891), Rm. 827, 2 Rector St., New York, and 14 Lynwood Rd., Scarsdale, N. Y.
- BEHREND, Bernard A. (1909), Cons. Engr., Rm. 434, 200 Devonshire St., Boston, and 105 Holland Rd., Brookline, Mass.
- BEHREND, Ernest R. (1900), Pres., Genl. Mgr., Hammermill Paper Co., Erie, Pa.
- BEINECKE, Fritz W. (Associate-Member, 1917), Supvr. Auto. Equip., The Tex. Co., 17 Battery Pl., New York, N. Y., and *for mail*, 401 Prospect St., Cranford, N. J.
- BEITMAN, Arthur H. (Associate-Member, 1917), Engr., Mfr., Quincy Branch, Edmund T. Perkins Engrg. Co., 314 Illinois State Bank Bldg., Quincy, Ill.
- *BELCHER, P. W. (Associate-Member, 1916), 1st Lieut., E. O. R. C., U. S. A., Genl. Engr. Depot U. S. Army, 1419 F. St., N. W., Washington, D. C., and Hotel Standish Arms, also Inspr. Searchlights, Plant of Sperry Gyroscope Co., Manhattan Bridge Plaza, Brooklyn, N. Y.

- BELCHER, Warren J. (1914), Factory Mgr., The Whitney Mfg. Co., and *for mail*, 24 Evergreen Ave., Hartford, Conn.
- BELL, Andrew L. (Associate-Member, 1913), Asst. Genl. Purchasing Officer, U. S. Shipping Bd., Emergency Fleet Corp'n, and *for mail*, 2001 16th St., N. W., Washington, D. C.
- BELL, Clinton W. (Associate-Member, 1917), First Asst. Ch. Engr., Hauto Power Sta., Lehigh Navigation Elec. Co., and *for mail*, Hauto, Carbon Co., Pa.
- BELL, David (1912), Engr., Buffalo Fdy. & Mch. Co., and *for mail*, 911 Lafayette Ave., Buffalo, N. Y.
- BELL, Edgar D. (1915), Genl. Supt., St. Louis Elec. Term. Ry. Co., St. Louis Elec. Bridge Co., Madison Co. Light & Power Co., 3725 N. Broadway, St. Louis, Mo., and St. Andrews Pl., Edwardsville, Ill.
- BELL, James A. (1914), M. M., Ill. Steel Co., and *for mail*, 323 Hunter Ave., Joliet, Ill.
- BELL, Jesse M. (1914), M. E., 105 Cottage St., Lockport, N. Y.
- BELL, John E. (1903; 1916), Cons. Engr., 111 Broadway, New York, N. Y.
- BELL, Joseph M. (1899), M. E., Reading Iron Co., and *for mail*, 140 N. 4th St., Reading, Pa.
- BELL, Paul J. (1915), Welch, Fairchild & Co., Inc., Manila, P. I.
- BELL, Raymond T. (1913), Teetor Adding Mch. Co., Des Moines, Ia.
- BELL, William L. (1914), Pres., Fulton Eng. Wks., Box 296, and *for mail* 1015 E. 27th St., Los Angeles, Cal.
- BELLAMY, Leon (1915), Res. Engr., Dodge Sales & Engrg. Co., and *for mail*, 189 Bay Street, Springfield, Mass.
- BELLINGER, Daniel L. (1916), Mgr., Carthage Mch. Co., and 12 High St., Carthage, N. Y.
- BENCH, Alfred R. (Junior, 1907), Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
- BENDA, Harry R. (Associate-Member, 1914), M. E., D. Auerbach & Sons., 628-644 11th Ave., New York, N. Y., and *for mail*, 250 Clark Terrace, Cliffside Park, Bergen Co., N. J.
- BENDIT, Louis (Associate, 1905), T. B. Gasoline Co., Tulsa, Okla.
- BENDT, Ernest R. (Junior, 1914), Asst. Estimating Engr., Ill. Steel Co., and *for mail*, 757 Pennsylvania St., Gary, Ind.
- *BENEDICT, Bruce W. (1912), Capt. 1st Ill. Field Art., Command'g Bat. F. Wks. Mgr., Glenn L. Martin Aeroplane Co., 419 Guardian Bldg., Cleveland, O.
- *BENEDICT, Byron W. (Junor, 1917), 1st Lieut., Ord. Sec., O. R. C.; U. S. A., and *for mail*, Mechanicsburg, Ill.
- BENEDICT, Howard G. (Associate, 1914), Wks. Mgr., The Glenn L. Martin Co., 419 Guardian Bldg., Cleveland, O.
- BENEDICT, John G. (Associate, 1917), Secy., Treas., Mgr., Landis Mch. Co., King and Garfield Sts., Waynesboro, Pa.
- BENÉT, Laurence V. (1892), Engr., V. P., Société Anonyme des anciens Etablissements Hotchkiss & Cie., 22 rue Caumartin, and *for mail*, 1 Ave. de Camoëns, Paris, France.
- *BENHAM, Webster L. (1916), Maj., Quartermaster O. R. C., Camp Funston, Ft. Riley, Kan., The Benham Engrg. Co., Cons. Engrs., 13th Fl., Colcord Bldg., and 2107 W. 20th St., Oklahoma City, Okla.
- BENJAMIN, Charles H. (1892), Vice-President, 1916-1918; Dean, Dir., Purdue Univ., Lafayette, and 607 University St., West Lafayette, Ind.
- BENJAMIN, Harrie L. (Junior, 1915), M. E., New Departure Mfg. Co., and *for mail*, 15 Lincoln Pl., Bristol, Conn.
- BENJAMIN, Louis S. (1916), Ch. Engr., Atlantic Sugar Refineries, Ltd., St. John, N. B., Canada.

- BENNER, Henry L. (1910; 1916), M. and E. E., 1235 Locust St., Secy., Treas., Am. Insulating Mchy. Co., Inc., Fairhill and Huntingdon Sts., Philadelphia, Pa.
- BENNETT, Arthur N. (1915), Supt. Safety Car Htg. & Ltg. Co., 215 12th St., and *for mail*, 215 Fairview Ave., Jersey City, N. J.
- BENNETT, Arthur R. (Junior, 1917), Narrows, Ky.
- BENNETT, Charles F. (1915), Supt. Stand. Plunger Elev. Co., 243 Stafford St., and *for mail*, 17 Randolph Rd., Worcester, Mass.
- BENNETT, Chas. W. (1904), Am. Sheet & Tin Plate Co., 1320 Frick Bldg., and 6300 Darlington Rd., Pittsburgh, Pa.
- BENNETT, Frederick (Associate, 1917), 2054 Hyde St., San Francisco, Cal.
- BENNETT, Geo. G. (1903; 1913), Mill Supt., Ludlow Mfg. Associates, and *for mail*, P. O. Box 1475, Ludlow, Mass.
- BENNETT, George L. (1905), Efficiency Engr., Bd. of Estimate, City of N. Y., 2500 Municipal Bldg., New York, N. Y.
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- BENNETT, John W. F. (1913), Cons. Engr. to Bor. Pres. of Bronx, Municipal Bldg., Tremont and 3d Ave., and 1882 Grand Concourse, New York, N. Y.
- BENNETT, Joseph A. (1907), Ch. Inspr., Remington Arms Co., and 144 Beechmont Ave., Bridgeport, Conn.
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- BENNETT, Robert G. (Associate-Member, 1914), M. M., Pa., R. R. Co., Sunbury Shops, and 132 N. 11th St., Sunbury, Pa.
- BENNETT, Thomas A. (Junior, 1903), Mgr. Sales Dept., The B. F. Goodrich Co., and 592 W. Market St., Akron, O.
- BENNS, Charles P. (1898), Asst. Mgr., Underwriters Asso., of D. C., 1016 Woodward Bldg., and 3303 Highland Pl., Washington, D. C.
- BENNY, Irwin H. (Associate-Member, 1917), Supt. Mfg. Penn Barrel Co., 23rd Hamilton St., and *for mail*, 1818 N. Newkirk St., Philadelphia, Pa.
- *BENSEL, John A. (1917), Maj. E. C., O. R. C., U. S. A., and Bernardsville, N. J.
- *BENSON, Harvey S. (Junior, 1915) 1st Lieut., O. D., Inspec. Sec., U. S. R., S. G. Flagg & Co., Stowe, Pa., and *for mail*, 2006 S. State St., Syracuse, N. Y.
- BENSON, Robert F. A. (Junior, 1916), Instr. Tech. High School, and 13 W. Harris St., Chesterfield Apts., Atlanta, Ga.
- BENSON, Stuart W. (1913), Field Engr., Am. Steel & Wire Co., and 104 Woodside Ave., Trenton, N. J.
- BENSTER, L. Halsey (Junior, 1916), Tractor Engr., H. E. Fairman, and *for mail*, 2910 Brady St., Davenport, Ia.
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- BENTLEY, Ernest W. (1904), P. O. Box 1070 Jacksonville, and Orange Park, Fla.
- BENTLEY, Harry T. (1913), Supt. M. P. and Mchy., Chicago & Northwestern Ry., Keeler Ave. and Kinzie St., Chicago, and *for mail* 425 Clinton Ave., Oak Park, Ill.
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- BENTLEY, Oliver D. H. (1910), Mgr. Engr. Turbine Dept., B. F. Sturtevant Co., Hyde Park, Mass.

- BENTON, Morris F. (Associate, 1903), M. E., Designer, Asst. Mgr. Genl. Mfg. Dept., Am. Type Founders Co., 300 Communipaw Ave., Jersey City, and 107 Crescent Ave., Plainfield, N. J.
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- BERGER, Franz A. (1909), Asst. Prof. M. E., Washington Univ., St. Louis, Mo.
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- BERGER, Julius G. (Associate-Member, 1914), Ch. Engr., The Wm. Gordon Corp'n, 502 Finance Bldg., and 5213 Chestnut St., Philadelphia, Pa.
- BERGES, Arthur H. (Junior, 1914), Mech. Draftsman, U. S. War Dept., Rock Island Arsenal, Ill., and *for mail*, 105 E. 18th St., Davenport, Ia.
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- BERGMAN, Carl A. (1916), Chaparra, Oriente, Cuba.
- BERGMAN, Juliüs G. (1915), M. E., David Cole, Cons. Engr., 1211 Mills Bldg., and 900 Cliff St., El Paso, Tex.
- BERGMAN, Lars H. (1916), Fuel Engr., Midvale Steel Co., Philadelphia, and 141 W. Wyoming Ave., Germantown, Philadelphia, Pa.
- BERGQUIST, John G. (1912), Cons. Engr., Brymptonwood, Glen Head, L. I., N. Y.
- BERGSTROM, Harry E. (Junior, 1916), Wk. Foreman, N. P. Roundhouse N. P. Ry Co., and *for mail*, 2011 W. 1st St., Duluth, Minn.
- *BERLINER, Richard W. (1903; 1913), Capt., E. O. R. C., Engr. of Wks., Engrg. Dept., Am. Optical Co., Southbridge, and Charlton Hall, Charlton City, Mass.
- BERNARD, Harold B. (Junior, 1915), Supt. Gasoline Dept., Sinclair Oil & Gas Co., Tulsa, Okla., and 457 W. 123rd St., New York, N. Y.
- BERNARD, James L. (1902), M. E., Am. Bridge Co., Ambridge, and 477 Second St., Beaver, Beaver Co., Pa.

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- BERNHARD, Richard (Junior, 1901), Hotel Traylor, Allentown, Pa.
- BERRENBERG, Reinold (1913), Genl. Mgr., Am. Rotary Pump Co., 67 Hampden St., Boston, and 16 Thwing St., Roxbury, Mass.
- BERRESFORD, Arthur W. (1911), V. P., Genl. Mgr., The Cutler-Hammer Mfg. Co., P. O. Box 1564, and 201 Prospect Ave., Milwaukee, Wis.
- BERRIAN, Henry C. (Junior, 1912), Federal Shipbuilding Co., 54 Dey St., New York, and *for mail*, 1058 Bergen St., Brooklyn, N. Y.
- BERRY, Arthur O. (1914), Senior M. E., Interstate Commerce Com., Municipal Bldg., Chattanooga, and 4801 Alabama Ave., St. Elmo, Tenn.
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- BERTHOLD, George H. E. (Associate-Member, 1917), Supt. Rajah Auto-Supply Co., Bloomfield, and *for mail*, 106 S. 12th St., Newark, N. J.
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- BERTSCH, John C. (1901), Refrig. Engr., The Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 226 Elm St., Edgewood Park, Pittsburgh, Pa.
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- BEST, Jesse L. (Junior, 1914), M. E., So. Ill. Light & Power Co., 805 Central Natl. Bank Bldg., and *for mail*, 4176 Russell Ave., St. Louis, Mo.
- BEST, William E. (1916), Supt. Mfg., The Remington Arms Co., and 3265 Main St., Bridgeport, Conn.
- BEST, William J. (1910), Treas., Wheeler Condenser & Engrg. Co., 2406 Singer Bldg., New York, N. Y.
- BEST, Dr. William N. (1912), Pres., W. N. Best, Inc., 11 Broadway, New York, and 383 Gates Ave., Brooklyn, N. Y.
- BETH, Hugo W. H. (1912), Production Engr., Norton Co., and 39 Burncoat St., Worcester, Mass.
- BETTIS, Alexander E. (Associate-Member, 1915), Supt. Kansas City Light & Power Co., 1500 Grand Ave., and 149 W. 61st St. Terrace, Kansas City, Mo.
- BETTIS, William I. (1916), Cons. Engr., The Layne & Bowler Corp., 900 Santa Fe Ave., and *for mail*, 1833 W. 22d St., Los Angeles, Cal.
- BETTS, Alfred (1881), 1515 W. 14th St., Wilmington, Del.
- *BETTS, Philander (1912), Major, Corps of Engrs., U. S. R., W. D., 15th and M. Sts., N. W., Washington, D. C., and 238 Valley Rd., Montclair, N. J.
- BETTS, Walter L. (Junior, 1916), Engr., West Elec. Co., 463 West St., New York, and *for mail*, 114 Bainbridge St., Brooklyn, N. Y.
- BEUTER, Arthur J. (Associate, 1917), Tech. Sales Rep., Baldwin Loco. Wks., 310 Sansome St., and 766 Sutter St., San Francisco, Cal.
- BEVER, John J. (Associate, 1915), Mgr. Fdy. Dept., The Otis Steel Co., Cleveland, and *for mail*, 17480 Clifton Blvd., Lakewood, O.
- BEVIN, Sydney (Junior, 1909), Engr. and Secy. Fiske Bros. Refining Co., 24 State St., and *for mail*, 412 West End Ave., New York, N. Y.
- BEYER, David S. (1917), Mgr. Safety Engrg. Dept., Mass. Employees Ins. Asso., 185 Devonshire St., Boston, Mass.
- BEYER, Otto S., Jr. (Junior, 1913), Engrg. Exper. Sta., and College of Engrg., Univ. of Ill., and 1008 S. Lincoln Ave., Urbana, Ill.
- BIBBINS, James R. (1904; 1909), Engr. with Bion J. Arnold, 105 S. La Salle St., Chicago, Ill.

- BICKLEY, Creighton D. (Junior, 1916), Yard Master, Philadelphia Steel & Forge Co., Tacony, Philadelphia, and *for mail*, 7941 Frankford Ave., Holmesburg, Philadelphia, Pa.
- BICKLEY, John H. (Junior, 1917), Supt. of Erection, Henry Pratt Co., 2222 S. Halstead St., Chicago, and 153 Lincoln Ave., Freeport, Ill., and *for mail*, Randall Hotel, Ft. Wayne, Ind.
- BIDDISON, P. McDonald (1915; 1917), Constr., Engr., The Ohio Fuel Supply Co., 52 W. Gay St., and *for mail*, 836 N. Park St., Columbus, O.
- BIDLE, William S. (1904), Pres., Treas., The W. S. Bidle Co., 1411 E. 45th St., and *for mail*, 1809 E. 93d St., Cleveland, O.
- BIDWELL, Carlyle D. (1913), Plant Engr., Milwaukee Wks., Intl. Harvester Corp., and *for mail*, 262 20th St., Milwaukee, Wis.
- BIDWELL, Paul W. (Associate, 1916), B. F. Perkins & Son, Inc., and 36 Pleasant St., Holyoke, Mass.
- BIEBLER, Conrad A. (Associate, 1914), Sales Engr., Hyatt Roller Bearing Co., 422 Germania Bldg., Milwaukee, Wis.
- BIERBAUM, Christopher H. (1894; 1898), Life Member; Bierbaum-Dollar, Inc., V. P., Luben Bearing Co., 1011 Mutual Life Bldg., and 84 Fargo Ave., Buffalo, N. Y.
- BIGELOW, Carle M. (Junior, 1917), Ch. Indust. Engr., Cooley & Marvin Co., Tremont Bldg., Boston, Mass., and *for mail*, 1003 Washington St., Evanston, Ill.
- BIGELOW, Charles H. (1904), Ch. M. E., Millville Mfg. Co., Ch. M. E., Millville Traction Co., and 917 Columbia Ave., Millville, N. J.
- BIGELOW, Frank B. (1907), Treas. and Genl. Mgr., Murphy Iron Wks., foot of Walker St., and 3061 West Grand Blvd., Detroit, Mich.
- BIGELOW, Myron J. (1904), Cons. Engr., 557 Fairfield Ave., Akron, O.
- BIGELOW, Pierrepont (Junior, 1914), Treas. The Bigelow Co., 60 Lloyd St., and 195 Lawrence St., New Haven, Conn.
- BIGGERT, F. C., Jr. (1916), Ch. Engr., United Engrg. & Fdy. Co., Farmers' Bank Bldg., Pittsburgh, and *for mail*, 108 Hawthorne Ave., Crafton, Pa.
- BIGGS, Elias D. (Junior, 1913), 1104 N. 2nd St., Albuquerque, New Mex.
- BIGGS, William E. (1917), M. M., Ch. Engr., Aluminum Co. of Am., Maryville, Tenn.
- BIGLOW, Lemuel C. (1915), Mgr. N. Y. Office, Morse Chain Co., 50 Church St., New York, N. Y., and 405 Union Ave., Cranford, N. J.
- *BILGER, Henry E. (1916), Capt. E. O. R. C., Supt. Tools and Gauges, The Baldwin Loco. Wks., 500 N. 15th St., and *for mail*, 505 N. 21st St., Philadelphia, Pa.
- BILGRAM, Hugo (1885), Pres., Bilgram Mch Wks., 1217-35 Spring Garden St., and 751 N. 40th St., Philadelphia, Pa.
- *BILLINGS, A. W. K. (1909) Lieut. Com., care of Com. U. S. N. A. F., Paris, France.
- BILLINGS, Charles E. (1880), Vice-President, 1893-1895; President, 1895; Life Member; Pres., The Billings & Spencer Co., and 153 No. Beacon St., Hartford, Conn.
- BILLINGS, David L. (Associate, 1916), Compt. Dominion Chain Co., Ltd., Niagara Falls, and *for mail*, University Club, Fifth Ave. and 54th St., New York, N. Y.
- BILLINGS, Edward J. (1912; 1917), Engr., Henry L. Doherty & Co., 60 Wall St., New York, N. Y.
- BILLINGS, Frederic C. (1891), Pres., Genl. Mgr., The Billings & Spencer Co., 1 Laurel St., and Hotel Heublein, Hartford, Conn.
- BILLINGS, J. Harland (1914; Associate-Member, 1917), Lecturer Mch. Design, Univ. of Toronto, Toronto, and *for mail*, Weston, Ont., Canada.

- BILLINGTON, Ronald V. (Junior, 1917), Asst. Engr., Genl. Ordnance Co., 1400 W. Colfax Ave., and *for mail*, 2522 Race St., Denver, Colo.
- *BILMYER, Carroll D. (Junior, 1916), Corp'l, 1st Co., C. A. C., Instr. M. E., Throop College of Tech., and 75 S. Michigan Ave., Pasadena, Cal.
- BILLOW, Clayton O. (1914), Cons. Engr., Secy, Treas., Natl. Supply Co., 416 W. Grand Ave., Chicago, and 1013 Ridge Ave., Evanston, Ill.
- BILLWILLER, Charles J., Jr. (Associate-Member, 1913), Engr., Nitrate Agencies, Ltd., Iquique, Chile, S. A.
- BILTON, Clarence E. (1914), Pres., The Stand. Mfg. Co., 990 Housatonic Ave., Bridgeport, Conn.
- BILYEU, William F. (1917), Mgr. Feed-water Heater Dept., Warren Webster & Co., Camden, and *for mail*, Riverton, N. J.
- BINCKES, Frederick J. (Associate-Member, 1916), Ch. Draftsman, Dominion Iron & Steel Co., Ltd., and 849 George St., Sydney, N. S., Canada.
- BINGAMAN, Ralph W. (Associate-Member, 1916), Sales Engr., Tidewater Steel Products Corp'n, 149 Broadway, New York, and *for mail*, 50 Linden Ave., Flatbush, Brooklyn, N. Y.
- BINGHAM, Elbert H. (1912), Asst. Mgr., Detroit Plant, The Solvay Process Co., and 1595 Jefferson Ave., E., Detroit, Mich.
- BINLEY, William Jr. (1913), Ch. Hull Draftsman, Fore River Shipbuilding Corp., Quincy, and 138 Grand View Ave., Wollaston, Mass.
- BINNS, George W. (Associate-Member, 1917, M. E., Cincinnati Milling Mch. Co., and *for mail*, 2890 Webster Ave., Cincinnati, O.
- BINSSE, Henry B. (1882), Ret., Short Hills, N. J.
- BIRCH, G. Birger (1916), Secy., Cameron Mch. Co., 61 Poplar St., and *for mail*, 1072 Carroll St., Brooklyn, N. Y.
- BIRD, J. Philip (1914), Rm. 932, 30 Church St., New York, N. Y.
- BIRD, John B. (1913), Secy., Ch. Engr., Joseph Bancroft & Sons Co., and *for mail*, "Hillcroft," Wilmington, Del.
- BIRD, John C. (1910), M. E., Union Steam Pump Co., and *for mail*, 46 Howland St., Battle Creek, Mich.
- BIRD, John D. (1891; 1905), Genl. Mgr., Power & Min. Mchy. Co., Internatl. Gas Eng. Co., and 596 Summit Ave., Milwaukee, Wis.
- BIRD, Paul P. (1907), Norton, Bird & Whitman, 111 W. Monroe St., Chicago, and Winitka, Ill.
- BIRD, William W. (1889; 1891), Prof. M. E., Dir. Washburn Shops, Worcester Poly. Inst., and 10 Harvard St., Worcester, Mass.
- BIRDSEY, Charles R. (1907; 1916), Ch. Engr., U. S. Gypsum Co., 205 W. Monroe St., Chicago, and *for mail*, Hinsdale, Ill.
- *BIRDSEYE, Garner K. (Junior, 1916), First Class Private, Aviation Sec., Signal Corps, U. S. A.; Foreman, British Bullet Wk., Remington Arms Union Metallic Cartridge Co., and *for mail*, 1061 Iranistan Ave., Bridgeport, Conn.
- BIRKENBEUL, Clarence E. (Junior, 1916), Meese & Gottfried, San Francisco, Cal.
- *BIRNIE, Rogers (1913), Col., U. S. A., Intl. Arms and Fuse Co., 511 Fifth Ave., New York, N. Y.
- BISBEE, D. A. (1916), Genl. Foreman, The Duplex Eng. Governor Co., 36 Flatbush Ave., Ext., and *for mail*, 506 Ave. C., W., Brooklyn, N. Y.
- BISHOP, Charles R. (1903), Secy., Genl. Mgr., Am. Dist. Steam Co., North Tonawanda, and 413 Locust St., Lockport, N. Y.
- BISHOP, Ernest B. (1916), Exper. Designer, Remington Typewriter Wks., and *for mail*, Osgood Hotel, Ilion, N. Y.
- BISHOP, Frank (1907; 1910), 501 E. Court St., Ludington, Mich.
- BISSELL, Albert W. (Junior, 1914), Asst. Supt. Wire Mill, Colo. Fuel & Iron Co., and *for mail*, 17 Block "S," Pueblo, Colo.

- BISSELL, Geo. W. (1890; 1899), Dean of Engrg., Mich. Agri. College, East Lansing, Mich.
- BITTERLICH, Walter J. (1906; 1913), Plant Engr., Hood Rubber Co., Nichols Ave., and *for mail*, 40 Spruce St., Watertown, Mass.
- BIXBY, Walter G. (Junior, 1907), 601 Washington St., Dorchester, Mass.
- BIXBY, Genl. William H. (1888) Life Member; U. S. Engr. Office, 428 Customhouse, St. Louis, Mo.
- BIXBY, William P. (1908; 1916), E. E., Nashville, Chattanooga & St. Louis Ry., Engrg. Bldg., and 2503 Kensington Pl., Nashville, Tenn.
- *BIXBY, Winfred H. (Junior, 1915), First Reg't, Company A, Illinois Engrs., N. G., Rockford, Ill.
- BIXLER, Harry Z. (1907), Ch. Engr., The Brier Hill Steel Co., and *for mail*, 213 Arlington St., Youngstown, O.
- BJORGE, Oscar B. (Associate-Member, 1916), Ch. Engr., Clyde Iron Wks., and *for mail*, 1535 Woodland Ave., Duluth, Minn.
- BJORK, Carl G. (Associate-Member, 1914), Mech. Designer, Stone & Webster Engrg. Corp., 147 Milk St., Boston, and 33 Edwin St., Amherst, Mass.
- BJORNSSON, Carl A. (1915), Ch. Engr., McEwen Bros., and 19 Grover St., Wellsville, N. Y.
- BLACK, Alexander L. (1915), with Ford, Bacon & Davis, 921 Canal St., and *for mail*, 4204 St. Charles Ave., New Orleans, La.
- BLACK, Charles A. (1915), Supt. Dredging Div. Panama Canal, P. O. Box 39, Cristobal, C. Z.
- BLACK, Edgar N., 3d (Associate-Member, 1914), M. E., Automobile Sales Corp'n, and *for mail*, 1533 Locust St., Philadelphia, Pa.
- BLACK, Edward S. (1903), Cons. Engr., Am. Manganese Steel Co., 1850 McCormick Bldg., and 7314 Harvard Ave., Chicago, Ill.
- BLACK, George (Associate-Member, 1914), Shop Engr., Associated Equip. Co., Walthamstow, London, N. E., and *for mail*, "Ringstead," Old Church Rd., Chingford, London, N. E., England.
- BLACK, Winfield S. (Associate-Member, 1914), Engr., Am. Sugar Refining Co., S. 4th St. and Kent Ave., and 578 Bedford Ave., Brooklyn, N. Y.
- BLACKALL, Fredrick S. (1913), V. P., Genl. Mgr., Taft-Pierce Mfg. Co., Woonsocket, R. I., and St. James Hotel, and *for mail*, 233 Broadway, New York, N. Y.
- BLACKBURN, Arthur H. (1894), Ch. Engr., Under Feed Stoker Co., of Am., 1807 Harris Trust Bldg., Chicago, and 160 Randall St., Downer's Grove, Ill.
- BLACKBURN, Bryan M. (Associate-Member, 1914), Ch. Engr., R. D. Cole Mfg. Co., and 75 E. Broad St., Newnan, Ga.
- BLACKBURN, Charles H. (Junior, 1915), Engr., Hormiguero Central Corp., 63 Wall St., and 156 Sherman Ave., New York, N. Y.
- BLACKBURN, William A. (1915), Mgr. Mfg., Cadillac Motor Car Co., and *for mail*, 230 Milwaukee Ave., Detroit, Mich.
- BLACKFORD, Ralph E. (Junior, 1916), Ch. Tool Designer, Lodge & Shipley, Colerain Ave., Cincinnati, and *for mail*, 23 Park Apts., Walnut Hills, Cincinnati, O.
- BLACKMAN, G. Horton (Junior, 1913), Mem. of Firm, Bowman-Blackman Mch. Tool Co., 1513 N. Broadway, and 5843 Bartner Ave., St. Louis, Mo.
- BLACKMER, Waldo H. (Junior, 1916), Production Mgr., Elec. Cable Co., and 296 Park Ave., Bridgeport, Conn.
- BLAINE, Joseph R. (1917), M. E., Miehle Printing Press & Mfg. Co., 14th and Robey Sts., Chicago, and 307 S. Scoville Ave., Oak Park, Ill.
- BLAIR, George, Jr. (1915), Sales Engr., McClave-Brooks Co., Scranton, and *for mail*, Aldan, Delaware Co., Pa.

- BLAIR, William R. (1911), Wks. Mgr., The Measuregraph Co., 1819 Olive St., St. Louis, and 473 Oakwood Ave., Webster Groves, Mo.
- BLAISDELL, A. H. (Junior, 1912), Instr. M. E., Carnegie Inst. of Tech., Pittsburgh, and *for mail*, 1435 La Clair Ave., Swissvale, Pa.
- BLAISDELL, Benjamin H. (1909), Ch. Engr. Power Plant Dept., Manila Elec. R. R. & Light Co., Manila, P. I.
- BLAKE, Alfred D. (Associate-Member, 1914), Managing Editor, Power, 10th Ave. and 36th St., New York, and *for mail*, 4 Ohio Pl., West New Brighton, S. I., N. Y.
- BLAKE, Charles S. (1912), Pres., The Hartford Steam Boiler Inspec. & Ins. Co., 56 Prospect St., and *for mail*, 496 Farmington Ave., Hartford, Conn.
- BLAKE, Edmund E. (1913), Agt., Saco-Lowell Shops, Biddeford, and Saco, Me.
- BLAKE, Francis E. (Junior, 1901), M. E., State Barge Canal Office, New Lyon Block, Albany, and Delmar, Albany Co., N. Y.
- BLAKE, Frank C. (Junior, 1915), Engr. Research Lab., Nitrogen Products Co., Greene, and *for mail*, 9 Searle St., Providence, R. I.
- BLAKELEY, George H. (1907), Mgr. Struc. Steel Dept., Bethlehem Steel Co., and *for mail*, 509 Delaware Ave., South Bethlehem, Pa.
- BLAKELEY, Gerald W. (Junior, 1917), Power Specialties Engr., H. W. Johns-Manville Co., 55 High St., Boston, and *for mail*, 400 Charles River Rd., Cambridge, Mass.
- BLAKEMAN, John W. (Associate-Member, 1914), P. O. Box, 28, Springdale, Conn.
- BLAKEMAN, Samuel P. (Junior, 1916), 1 Wethersfield Ave., Hartford, Conn.
- BLAKEMAN, Winfield W. (1913), Supt., The Blanchard Mch. Co., 64 State St., Cambridge, and *for mail*, 19 Prospect Hill Ave., Somerville, Mass.
- BLAKESLEE, Frank A. (1910), Wks. Mgr., Fraser & Chalmers, Ltd., and 3 Queens Rd., Erith, Kent, England; also, 1233 Prospect Ave., Kansas City, Mo.
- BLAKESLEE, Russell C. (1917), Mech. Supt., Chase Metal Wks., and *for mail*, 45 Ludlow St., Waterbury, Conn.
- BLAKESLEE, Walter A. (Junior, 1917), Foreman, Turbine Test, Westinghouse Elec. and Mfg. Co., Mch. Wks., E. Pittsburgh, and 524 Trenton Ave., Wilkesburg, Pa.
- BLANCHARD, Charles M. (1917), Ch. Engr., Stand. Fuel Oil Eng. Co., and *for mail*, Box 473, Willoughby, O.
- BLANCHARD, Edward J. (Associate-Member, 1917), Asst. Engr., R. Martens & Co., Inc., 24 State St., New York, and *for mail*, 1040 E. 15th St., Brooklyn, N. Y.
- BLANCHARD, Henry W. (1909), Mgr., Austral Iron Wks., E. W. Tarry Co., Ltd., P. O. Box 1098, and Whiddon, Belgravia, Johannesburg, Transvaal, S. A.
- BLANCHARD, Rollo K. (1912; Associate-Member, 1914), Engr., Neptune Meter Co., 50 E. 42nd St., and 32 W. 40th St., New York, N. Y.
- BLAND, John P. (1901), Printer, Ch. Engr., The Times, and *for mail*, 41 Western Gardens, Ealing, W. 5, London, England.
- BLANDING, Forrest H. (1914), Supt. McEwen Mfg. Co., Tulsa, Okla.
- BLANDING, Robert L. (1913), M. E., Jenks & Ballou, 735 Grosvenor Bldg., and *for mail*, 10 Brightwood Ave., Providence, R. I.
- BLANK, Bernhard (Junior, 1916), Sta. Constr., Philadelphia Elec. Co., and *for mail*, 1240 Princess Ave., Camden, N. J.
- BLANKENHORN, George S. (1906; 1913), Asst. to Mgr. Mchy. Fabrication, Am. Intl. Shipbuilding Corp'n, 140 N. Broad St., Philadelphia, Pa.

- BLASDELL, Arthur F. (1912), Mfg. Supt., Genl. Elec. Co., and *for mail*, 191 Bartlett Ave., Pittsfield, Mass.
- BLATCHLEY, Chas. A. (1906), Cons. Engr., 1052 Drexel Bldg., Philadelphia, Pa., and 47 Walnut St., Haddonfield, N. J.
- BLAUVELT, Albert (1896), Assoc. Mgr., West. Factory Ins. Asso., Ins. Exch. Bldg., Chicago, Ill.
- BLECKLEY, Logan, Jr. (Junior, 1917), Exper. Engr., Atlantic Steel Co., and *for mail*, 611 Piedmont Ave., Atlanta, Ga.
- BLEE, Harry H. (Associate-Member, 1913), State Road Engr., California State Dept. of Engrg., and *for mail*, 2115-4th Ave., West Curtis Oaks, Sacramento, Cal.
- BLESSING, George F. (1913), Prof. Charge of Engrg., Swarthmore College., and *for mail*, 6 Whittier Pl., Swarthmore, Pa.
- BLEYER, Chas. F. (Junior, 1909), Erecting Engr., Allis-Chalmers Mfg. Co., 814 Frick Bldg., Pittsburgh, Pa., and *for mail*, 3820 Riverside Ave., S. W., Cleveland, O.
- BLICKMAN, John A. (1915), Asst. Supt., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 612 Hill Ave., Wilksburg, Pa.
- BLISS, Charles E. (1912), Bliss & Lavalley, 274 Main St., and 93 Garfield St., Springfield, Mass.
- BLISS, Collins P. (1903), Prof. M. E., N. Y. Univ., and *for mail*, 2208 Andrews Ave., New York, N. Y.
- *BLISS, Edwin C. (1908), Lieut. U. S. N. R. F., and *for mail*, 69 Mulberry St., Pawtucket, R. I.
- BLIXT, Gustaf F., Jr. (Junior, 1916), Foreman of Drafting Rm., J. Edward Ogden Co., 147-149 Cedar St., New York, N. Y., and *for mail*, 349 Graham Ave., Paterson, N. J.
- BLOCK, Louis, (1913), Cons. Engr., 45 E. 42d St., New York, and Mamaroneck, N. Y.
- BLOHM, August H. (Associate-Member, 1917), Mech. Draftsman, The Adder Mch. Co., 533 Canal St., New York, and *for mail*, 629 E. 28th St., Brooklyn, N. Y.
- BLONCK, W. A. (1916), Pres., W. A. Blonck & Co., 343 S. Dearborn St., and 334 Garfield Ave., Chicago, Ill.
- BLOOD, Bryant H. (1917), Genl. Mgr. Pratt & Whitney Co., and 27 Gillett St., Hartford, Conn.
- BLOOD, Chas. W. H. (1902), V. P., Treas., S. A. Woods Mch. Co., Damrell St., South Boston, and *for mail*, 19 Floyd St., Winthrop, Mass.
- BLOOD, Harold L. (Junior, 1917), Asst. Engr., Niles-Bement-Pond Co., and *for mail*, 904 Stelle Ave., Plainfield, N. Y.
- BLOOD, Laurence E. (Junior, 1916), Supt. S. A. Woods Mch. Co., 27 Damrell St., and 126 St. Botolph, Boston, Mass.
- BLOOD, Louis H. (1905), 5300 Hamilton Ave., Cincinnati, O.
- BLOSSOM, Francis (1902), Partner, Sanderson & Porter, 52 William St., New York, N. Y.
- BLUM, Arthur N. (1909), M. E., E. E., Tech. Adviser, Ch. Engr., Henry Disston & Sons, Inc., Tacony, and *for mail*, The Delmar-Morris, Cheltenham Ave., Germantown, Philadelphia, Pa.
- BLUM, Joseph K. (Junior, 1909), Secy., Treas., K-B Pulverizer Co., Inc., 86 Worth St., and *for mail*, 241 W. 108th St., New York, N. Y.
- *BLUMENFELD, Ralph (1913; Associate-Member), 2nd Lieut., O. O. R. C., Washington, D. C., and *for mail*, 314 W. 106th St., N. Y. City.
- BLUMGARDT, Isaac E. (Associate, 1908), M. E., 126 W. 80th St., New York, N. Y.
- BLUNDELL, Eustace E. (Associate-Member, 1917), Factory Mgr., The Cleveland Automatic Mch. Co., 2269 Ashland Rd., and *for mail*, 3014 Overlook Rd., Cleveland Heights, Cleveland, O.

- *BOARDMAN, Albert J. (Associate-Member, 1916), Capt., Am. Ord. Base Depot in France Div., War Dept., and *for mail*, 613 G St., N. W., Washington, D. C.
- BOBLETT, Kinderman M. (Associate, 1911), Production Expt., The Buick Motor Co., and The Willys Overland Co., and *for mail*, 626 Nessel St., Toledo, O.
- BOCKIUS, Charles A. (Associate-Member, 1914), 5151 Wayne Ave., Philadelphia, Pa.
- BOCKIUS S. Atlee (1917), Contg. Engr., S. A. Bockius Co., 1501 Oliver Bldg., Pittsburgh, and 6688 Kinsman Road, Pittsburgh, Pa.
- BODENSTEIN, William E. (Junior, 1916), M. E., Stegner & Hughes, 1012 Commer. Tribune Bldg., Cincinnati, O., and 827 Ann St., Newport, Ky.
- BODINE, Alfred V. (Junior, 1916), M. E., Industrial Engrg. Staff, Winchester Repeating Arms Co., and *for mail*, 98 Alden Ave., New Haven, Conn.
- BODINSON, Lars W. (1916), Ch. Engr., The Am. Well Wks., and *for mail*, 218 Grant Pl., Aurora, Ill.
- BODWELL, Howard L. (1907), Asst. Dist. Mgr., Am. Sheet & Tin Plate Co., Vandergrift, Pa.
- BOEHM, Wm. H. (1900), Supt. Depts. Steam Boiler and Fly Wheel Ins., V. P., Fidelity & Casualty Co., 92 Liberty St., and 281 Edgecombe Ave., New York, N. Y.
- BOEHMER, E. Julius (Associate-Member, 1917), Ch. Engr., Rice-Stix Dry Goods Co., 10th & St. Charles St., and *for mail*, 2321a Ann Ave., St. Louis, Mo.
- BOENIG, Robert W. (1892; 1909), Secy., Engr., Domestic Chem. Co., Gardner and Maspeth Ave., and *for mail*, 157 Meeker Ave., Brooklyn, N. Y.
- *BOETTGER, Robert (1912), 1st Lieut. E. O. R. C., Secy., Selas Co., 521 W. 23d St., New York, and *for mail*, 131 Alta Ave., Park Hill, Yonkers, N. Y.
- BOGART, Albert L. (1913), Pres., Power Engrg. Co., 512 Corn Exch. Bldg., and 72 W. Minnehaha Parkway, Minneapolis, Minn.
- BOHN, Gebhard C. (Associate, 1915), V. P., White Enamel Refrigerator Co., 1400 University Ave., 1405 Summit Ave., St. Paul, Minn.
- BOHN, Robert G. (Junior, 1916), Asst. Operating Engr., Ill. Traction System, Mayer Bldg., and *for mail*, 428 E. Arcadia Ave., Peoria, Ill.
- BOHNSTENGEL, Walter (Junior, 1915), Asst. to Engr., of Tests, Test Dept., A. T. & S. F. Ry. Co., and *for mail*, 534 Madison St., Topeka, Kan.
- BOLE, Wm. A. (1887), V. P., Charge of Mfr., The Westinghouse Mch. Co., East Pittsburgh, and *for mail*, 722 S. Negley Ave., Pittsburgh, Pa.
- BOLES, Chalmers B. (Junior, 1914), Engrg. Dept., Wilson & Co., 41st and Ashland Ave., and 1532 E. 68th St., Chicago, Ill.
- BOLGIANO, J. Ralph (Junior, 1912), Engr., The Emerson Co., 30 Church St., New York, N. Y., and Towson, Md.
- BOLLER, Alfred P., Jr. (1901), 80 Prospect St., East Orange, N. J.
- *BOLLES, Frank G. (Associate, 1901), Major Ord. Section, War Dept., Washington, D. C., and Franksville, Wis.
- BOLLING, Stewart, Jr. (Junior, 1912), Chicago Dist. Mgr., Southwark Fdy. & Mch. Co., 80 E. Jackson Blvd., and 6539 Drexel Ave., Chicago, Ill.
- BOLTON, John W., Jr. (Junior, 1916), Farmer, R. F. D., No. 11, Penacook, N. H., and 115 N. Ninth St., Allentown, Pa.
- BOLTON, Reginald P. (1898), Pres., The R. P. Bolton Co., 55 Liberty St., and 638 W. 158th St., New York, N. Y.

- BOLTON, Wright, Jr. (Junior, 1917), M. M., Acushnet Mills Corp., and *for mail*, 282 Bowditch St., New Bedford, Mass.
- BONAWIT, David J. (Junior, 1916), Designer, R. U. V. Co., 7 Burritt Ave., Box 647, and 38 Bayview Ave., South Norwalk, Conn., and 3 North Ave., Norwalk, Conn.
- *BOND, Francis M. (1909; 1915), Capt. Inspr. Ordnance, O. O. R. C.; Wagner Elec. Mfg. Co., 6400 Plymouth Ave., St. Louis, Mo.
- BOND, Geo. M. (1881), Manager, 1888-1891; Vice-President, 1908-1910; M. E., 69 Washington St., Hartford, Conn.
- BOND, John M. (Associate-Member, 1917), Edy. Engr., The Holt Mfg. Co., and *for mail*, 1335 E. Roosevelt St., Stockton, Cal.
- *BOND, William L. (Junior, 1917), 1st Lieut., Ordnance Dept., U. S. R., Frankford Arsenal, Bridesburg Sta., and *for mail*, 3607 Chestnut St., Philadelphia, Pa.
- BONE, Wm. H. (1883), V. P., Genl. Mgr., The Ironsides Co., Hartman Bldg., and *for mail*, 85 N. Ohio Ave., Columbus, O.
- BONINE, Charles E. (1914), Cons. Engr., 609 Harrison Bldg., Philadelphia, and Melrose Park, Pa.
- BONNER, Richard O. (Junior, 1910), Genl. Mgr., Bonner Development Corp., and *for mail*, P. O. Box 152, Rockville Center, N. Y.
- BONNET, Frank H. (Associate-Member, 1916), Asst. M. E., The Buckeye Steel Castings Co., and *for mail*, 413 Fairwood Ave., Columbus, O.
- BONNETT, L. B. (1911), Civ. Serv. Examiner, M. E., Municipal Civ. Service Com., Municipal Bldg., New York, N. Y., and *for mail*, 310 W. Jersey St., Elizabeth, N. J.
- BOOMHOWER, Frederick K. (1914), Engr. with Albert Kahn, Arch., 58-60 Lafayette Blvd., and *for mail*, 65 Blaine St., Detroit, Mich.
- BOONE, H. Searles (Junior, 1917), E. E., Lewis F. Shoemaker & Co., and *for mail*, 604 High St., Pottstown, Pa.
- BOORAEM, J. Francis (1895; 1906), Secy., Treas., The Am. Enameled Brick & Tile Co., 52 Vanderbilt Ave., New York, N. Y., and South River, N. J., Pres., Treas., Cinch Expansion Bolt & Engrg. Co., 208 Lafayette St., New York, N. Y.; res., Shore Rd., Greenwich, Conn.
- BOORAEM, J. Van Vorst (1884), Life Member; M. E., Chemist, ret., 204 Lincoln Pl., Brooklyn, N. Y.
- BOOTH, Charles A. (1909), Charge Engrg., Sales, Buffalo Forge Co., Buffalo Steam Pump Co., and *for mail*, 142 Summit Ave., Buffalo, N. Y.
- BOOTHMAN, Dale M. (1915), Ch. Draftsman, Shredded Wheat Co., and *for mail*, 34 Ericsson Pl., Niagara Falls, N. Y.
- BOOZER, Douglas G. (Associate-Member, 1917), Ch. Engr., Eclipse Phonograph Corp'n, 7-9 Taylor St., and 197 Market St., Paterson, N. J.
- BORCHARDT, Albert H. (1912); Associate-Member, 1916), Engrg. Sales, Worthington Pump & Mch. Corp., Harrison, N. J., and *for mail*, 1330 Pacific St., Brooklyn, N. Y.
- BORDE, George U. (1909), Cons. Engr., 821 Hibernia Bld., New Orleans, La.
- BORDEN, John M. (Junior, 1912), Estimator, John Borden & Bro., 637 N. 19th St., Philadelphia, and *for mail*, 4622 Wayne Ave., Germantown, Philadelphia, Pa.
- BORDEN, Moro M. (1913), M. E., Simplex Valve & Meter Co., Philadelphia, Pa., and *for mail*, 310 Lees Ave., Collingswood, N. J.
- BORDEN, Wm. H. (Junior, 1905), Mfrs. Sales Agt., Industrial Safety Devices, etc., 502 Mission St., and *for mail*, 20 Franklin St., San Francisco, Cal.
- BORGE, John (Associate-Member, 1916), Pres. Borge Incinerator Corp., 1216 Flatiron Bldg., New York, and 9114 Ridge Rd., Brooklyn, N. Y.
- BORIE, Renshaw (Associate-Member, 1913), Engr., The Yale & Towne Mfg.

- Co., 9 E. 40th St., New York, N. Y., and 87 Broad St., Stamford, Conn.
- BORNHOLT, Oscar C. (1904; 1909), Factory Mgr., Holley Bros. Co., 131-141 Rowena St. and *for mail*, 61 Alexandrine Ave., E., Detroit, Mich.,
- BORNHORST, August H. (Junior, 1916), care of Seattle Mch. Wks., Seattle, Wash.
- BORROMEO, Canuto O. (Junior, 1916), 2 Asamblea St., Cebu, Cebu, P. I.
- BOSCH, F. William (Associate-Member, 1916), Designing and Cons. Engr., 30 N. 30th St., Camden, N. J.
- BOSLER, Benj. E. (1914), Supt. Mech. Dept., Cambria Steel Co. and *for mail*, 197 Ohio St., Johnstown, Pa.
- BOSNIAN, Luther H. (Junior, 1917), Asst. to Cons. Engr., N. E. Westinghouse Co., Springfield, and *for mail*, 18 Arlington St., Chicopee Falls, Mass.
- BOSSERT, Chas. P. (1892; 1901), M. E., Pfister & Vogel Leather Co., and *for mail*, 179 63d St., Milwaukee, Wis.
- BOSSINGER, Ernest L. (1914), M. M., The Midvale Steel Co., Nicetown, and 556 E. Woodlawn Ave., Germantown, Philadelphia, Pa.
- BOSWORTH, Wilbur M. (1913), M. E., Norfolk So. R. R. Co., and 238 Maple Ave., Berkley Sta., Norfolk, Va.
- BOTT, George R. (1913), Engrg. Mgr., The Norma Co. of Am., 1790 Broadway, New York, N. Y.
- BOURNE, George L. (1903), Pres., Loco. Superheater Co., 30 Church St., New York, and Mamaroneck, N. Y.
- BOURNE, Phillips P. (1914), Worthington Pump & Machy. Corp'n, 115 Broadway, New York, N. Y.
- BOURNE, Ralph H. (Associate-Member, 1914), V. P., Whiting Fdy. Equip. Co., Harvey, and *for mail*, 607 Rush St., Chicago, Ill.
- BOURNE, Stephen N. (1891), Agt., Dundee Mills, Hookset, and *for mail*, Elm and Blodgett Sts., Manchester, N. H.
- BOURQUIN, James F. (1907; 1915), V. P., Liberty Motor Car Co. and *for mail*, 2252 West Grand Blvd., Detroit, Mich.
- BOUSFIELD, Alfred (1912), Ch. Engr., E. & T. Fairbanks & Co., and *for mail*, P. O. Box 166, St. Johnsbury, Vt.
- BOULTON, Geo. I. (1901; 1904), Ch. Engr., Murphy Iron Wks., and 288 Baldwin Ave., Detroit, Mich.
- BOVEY, William H. (1913), Genl. Supt., Dir., Washburn Crosby Co., Chamber of Commerce, and 212 W. Franklin Ave., Minneapolis, Minn.
- BOWEN, Almon F. (1914), Asst. to Genl. Mgr., The New London Ship & Eng. Co., Groton, and 254 Huntington St., New London, Conn.
- BOWEN, David R. (1899), Ch. Engr., Farrel Fdy. & Mch. Co., and *for mail*, 5 Clover St., Ansonia, Conn.
- BOWEN, Harrison S. (1895; 1908), M. E., Robert W. Hunt & Co., 2200 Ins. Exch. Bldg., Chicago, and 809 Elmwood Ave., Wilmette, Ill.
- BOWER, J. G. (Associate, 1903), The Buckeye Steel Castings Co., 50 Church St., New York, N. Y.
- BOWER, Robert S. (Junior, 1916), Asst. in Open Hearth, Steel Dept., The River Furnace Co., 4002 Dille Ave., and *for mail*, 2163 E. 84th St., Cleveland, O.
- BOWER, Ward J. (Junior, 1913), M. M. of Blast Furnaces, Inland Steel Co., and *for mail*, 3607 Fir St., Indiana Harbor, Ind.
- BOWERMAN, Myron R. (1910; Associate-Member, 1914), Checker, Alliance Mch. Co., and *for mail*, 2205 Shunk Ave., Alliance, O.
- BOWERS, George W. (1910), Mech. and Cons. Engr., 53 Devonshire St., Boston, and *for mail*, 47 Franklin St., Somerville, Mass.
- *BOWES, Lawrence C. (Junior, 1914), 332nd F. A., U. S. A.; Inspr. Stationary Boiler Plants, C. R. I. & P. R. R., 911 La Salle St. Station, and *for mail*, 9556 Prospect Ave., Chicago, Ill.

- BOWLES, Hardy (1917), C. E. in charge North. Term. Div., The Texas Co., 17 Battery Pl., and 830 W. 179th St., New York, N. Y.
- BOWLES, John D. (Associate-Member, 1916), Supt. Elec. Dept., Springfield Gas & Elec. Co., Springfield Traction Co., Springfield, Mo., and 235½ Dallison St., Springfield, Mo.
- BOWLES, William A., Jr. (Junior, 1915), Engr. Constr. Dept., Appalachian Power Co., Bluefield, W. Va.
- BOWMAN, Franklin M. (1894; 1902), V. P., Blaw Knox Co., and *for mail*, 1234 N. Highland Ave., Pittsburgh, Pa.
- BOWMAN, Robert B. (Associate-Member, 1917), Blackhawk Hotel, Davenport, Ia.
- BOWMAN, Robert H. (Associate-Member, 1916), Ch. Draftsman, Firestone Tire & Rubber Co., and *for mail*, 46 Metlin Ave., Akron, O.
- BOYD, Ernest M. (Junior, 1915), Asst. Supt., Rutland Mfg. Co., Inc., and *for mail*, 62 Cleveland Ave., Rutland, Vt.
- *BOYD, Ford E. (Junior, 1912), Lieut., U. S. N. R. F.; M. E., Oliver Iron Min. Co., 713 Wolvin Bldg., and 2714 E. 7th St., Duluth, Minn.
- *BOYD, Frank F. (1917), Lieut. U. S. N. R. F., Engr. officer, U. S. S. *Jupiter*, and *for mail*, 6160 Oxford St., Philadelphia, Pa.
- BOYD, Howard L. (Associate-Member, 1915), M. E., Indust. Accident Commission of Cal., 423 Union League Bldg., Los Angeles, Cal.
- *BOYD, Hugh M. (Junior, 1916), 2nd Lieut. Bat. A, 304th Reg't, F. A., O. R. C.
- BOYD, James C. (1907), V. P., Westinghouse, Church, Kerr & Co., 37 Wall St., New York, N. Y.
- BOYD, James E. (1915), Prof. Mech., Ohio State Univ., and 188 E. Frambes Ave., Columbus, O.
- BOYD, John T. (1887), 231 Polifly Rd., Hackensack, N. J.
- BOYD, Landon B. (Junior, 1917), Production Engr., Advance-Rumely Co., and *for mail*, 911 Michigan Ave., La Porte, Ind.
- BOYD, W. Wallace (1910; Associate-Member, 1917), Ch. Engr., Buffalo Scale Co., 1200 Niagara St., and *for mail*, 329 Grant St., Buffalo, N. Y.
- BOYD, Willard A. (1916), Engr., Light, Heat and Power Dept., E. I. duPont de Nemours & Co., Wilmington, Del., and 30 Pendleton Pl., New Brighton, N. Y.
- BOYD, William C. (1907), Asst. Engr., Pittsburgh Rys. Co., 435 Sixth Ave., Pittsburgh, and *for mail*, McKees Rocks, Pa.
- BOYER, Edwin S. (1897; 1902; 1907), M. E., Am. Hard Rubber Co., 11 Mercer St., New York, N. Y., and *for mail*, 1070 Hillside Ave., Plainfield, N. J.
- *BOYER, Frederic Q. (1909; Associate-Member, 1913), 1st Lieut., 2nd U. S. Engrs., and *for mail*, 548 Orange St., New Haven, Conn.
- BOYER, George H. (Associate-Member, 1917), Asst. Engr. Power Plants, The Milwaukee Elec. Rv. & Light Co., 320 Pub. Serv. Bldg., and 1040 26th St., Milwaukee, Wis.
- BOYER, Joseph (1913), Pres., Burroughs Adding Mch. Co., 2nd and Burroughs Ave., and *for mail*, 637 Woodward Ave., Detroit, Mich.
- BOYLE, Clarence, Jr. (Junior, 1914), Secy., Clarence Boyle, Inc., 1205 Lumber Exch. Bldg., and *for mail*, 445 Belmont Ave., Chicago, Ill.
- BOYLE, Walter W. (Junior, 1916), Asst. to Supt. of Central Power Plant, Estate of Henry W. Oliver, 232 Oliver Bldg., Pittsburgh, Pa.
- BOYLE, William G. (1915), Mech. Supt., Engr., Estate of Henry W. Oliver, 232 Oliver Bldg., Pittsburgh, and 705 Ridge Ave., Bellevue, Pa.
- BOYNTON, John E. (Associate-Member, 1915), M. E., 116 E. Arch St., Jerseyville, Ill.
- BOYNTON, Winfred S. (Associate-Member, 1917), Engr., Ord. Dept., U. S. A., and Park St., Pepperell, Boston, Mass.

- *BRADFORD, J. Sydney (1916), Capt., 103rd Engrs., Co. B, Camp Hancock, Augusta, Ga., and *for mail*, 245 S. 45th St., Philadelphia, Pa.
- BRADFORD, Louis J. (Junior, 1914), Instr. Mch. Design, Sibley College, Cornell Univ., and *for mail*, 127 College Ave., Ithaca, N. Y.
- BRADLEY, W. H. (1892), Ch. Engr., Consld. Gas. Co. of N. Y., 130 E. 15th St., and 23 W. 68th St., New York, N. Y.
- BRADLEY, John E. (1914), Pres., Osgood Bradley Car Co., 350 Mountain St., and 21 Richard St., Worcester, Mass.
- BRADLEY, Wm. J. (1905), Supt., The Rail Joint Co., and 1 Belle Ave., Troy, N. Y.
- BRADSHAW, Grant D. (1904; 1913), Pres., Andrews-Bradshaw Co., 303 B. F. Jones Bldg., Pittsburgh, and 186 Beaver St., Beaver, Pa.
- *BRADY, George S. (Associate-Member, 1916), Capt. Amer. Ord. Base Depot in France, 613 G St., N. W., Washington, D. C.
- BRADY, Joseph B. (Junior, 1910), Mch. Dept., Joseph T. Ryerson & Son, 16th and Rockwell Sts., Chicago, and 226 Pleasant St., Oak Park, Ill.
- BRADY, Joseph H. (1907), Ch. Engr., and Supt. of Bldgs., School Dist. of Kansas City, 217 Library Bldg., and 3612 Paseo Blvd., Kansas City, Mo.
- *BRADY, Laban J. (Junior, 1916), 2d Lieut., Co. C, 5th U. S. Reg. Engrs., Camp Skurry, Corpus Christie, Tex.; Traveling Rep., Nash Sales Co., 10th and Howard St., Omaha, Neb., and 9 N. Poplar St., Charlotte, N. C.
- BRAINE, Bancroft G. (1896; 1905), Engr., The Rail Joint Co., 61 Broadway, New York, N. Y., and 19 Mountain Ave., N., Montclair, N. J.
- BRAKEMAN, Roy E. (1911), Ch. Engr., Fairfield Wks., Tenn. Coal, Iron & R. R. Co., Woodward Bldg., and P. O. Box 297, Birmingham, Ala.
- BRAKES, James, Jr. (Junior, 1917), Engr. Dept., Western Elec. Co., and 370 E. 69th St., Chicago, Ill.
- BRAMAN, Samuel N. (1902; 1915), Mgr. The Morse & Whyte Co., Cambridge, and *for mail*, 10 Newbury St., Boston, Mass.
- BRAND, George B. (1912), Asst. Genl. Supt., Remington Typewriter Wks., and 162 Second St., Iliion, N. Y.
- BRAND, Walter N. (1912), Supt., Smith Premier Wks., Remington Typewriter Co., and 916 Lancaster Ave., Syracuse, N. Y.
- BRANDEL, Stanley W. (Associate-Member, 1916), Factory Mgr., U. S. Ball Bearing Mfg. Co., 4535 Palmer St., Chicago, Ill.
- BRANDES, C. H. (1913), M. E., Genl. Pur. Agt., The Am. Metal Co., Ltd., 61 Broadway, New York, and 400 Fingerboard Rd., Arrochar Park, Arrochar, S. I., N. Y.
- BRANDES, William P. (Junior, 1914), Engr., Empire Engrg. Co., Inc., 723 Munsey Bldg., and 3122 Able Ave., Baltimore, Md.
- BRANDON, George R. (1897; 1901), V. P., Genl. Engr., Whiting Fdy. Equip. Co., 1245 Marquette Bldg., Chicago, and R. R. 1, Homewood, Ill.
- BRANDON, William J. (1912), M. E., Avery Co., and 503 W. Armstrong Ave., Peoria, Ill.
- BRANDT, Carl A. W. (1916), M. E., Loco. Superheater Co., 30 Church St., New York, N. Y.
- BRANDT, Herman A. (Junior, 1916), Instr. M. E., Poly. Inst. of Brooklyn, and *for mail*, 338 Pacific St., Brooklyn, N. Y.
- BRASHEAR, John A. (1891; Honorary, 1908), Manager, 1899-1902; President, 1915; Chairman, John A. Brashear Co., 1954 Perrysville Ave., N. S., Pittsburgh, Pa.
- BRASSINGTON, John W. (1915), Ch. Engr., Am. Writing Paper Co., Main St., and 251 Oak St., Holyoke, Mass.
- BRAUER, Rudolph C. (Junior, 1916), Draftsman, City Engrg. Dept. of

- Richmond, 208 Lyric Bldg., and *for mail*, 11 N. Adams St., Richmond, Va.
- BRAUN, Carl F. (1907; 1916), Pres., C. F. Braun & Co., 503 Market St., San Francisco, Cal.
- BRAY, Charles W. (1888), Ret., R. D. No. 1, Bridgeport, Pa.
- BRAY, Thos. J. (1898), Pres., Republic Iron & Steel Co., and 1510 Fifth Ave., Youngstown, O.
- *BRAYTON, Harold M. (Junior, 1917), 1st Lieut., O. O. R. C., Frankford Arsenal, and 1625 Wakeling St., Frankford, Philadelphia, Pa.
- BRAZIER, Frederick W. (1914), Supt. Rolling Stock, N. Y. C. R. R., Rm. 1516, Grand Central Terminal, New York, and 1 Lamartine Terrace, Yonkers, N. Y.
- *BREADY, William M., Jr. (Junior, 1916), 1st Lieut., 108th Engrs., Co. E, 33rd Div., Camp Logan, Tex.; Sales Engr. The Kennicott Co., 1405 Corn Exch. Bank Bldg., and *for mail*, 4746 Princeton Ave., Chicago, Ill.
- BREAKER, Harry O. (1916), Genl. Mgr., Am. Incandescent Heat Co., Rm. 77, 10 Post Office Sq., Boston, and 85 Bartlett Rd., Winthrop, Mass.
- BRECKENRIDGE, Andrew L. (Junior, 1913), Draftsman, Balback Smelting & Refining Co., Newark, and *for mail*, 18 S. Burnet St., East Orange, N. J.
- BRECKENRIDGE, Clarence E. (1904; 1916), Ch. Engr., Merck & Co., and *for mail*, Jefferson Ave., Rahway, N. J.
- BRECKENRIDGE, L. P. (1890), Vice-President, 1907-1909; Prof. M. E., S. S. S., Yale Univ., Mason Lab., and 412 Humphrey St., New Haven, Conn.
- BREED, Preston H. (1917), 1203 S. Main St., Racine, Wis.
- BREED-LOVE, Lincoln B. (Junior, 1915), Engr., Engrg. Dept., Natl. Tube Co., Frick Bldg., Pittsburgh, and *for mail*, 433 Ross Ave., Wilkesburg, Pa.
- BREER, Carl (Junior, 1912), Research Engr., Studebaker Corp'n, and *for mail*, Hôtel Lenox, Madison Ave., Detroit, Mich.
- BREEZE, Alfred B. (Associate, 1917), V. P., The Cincinnati Ball Crank Co., and 3430 Zumstein Ave., Oakley, Cincinnati, O.
- BRENDLINGER, Wm. B. (Associate, 1907), Asst. Genl. Sales Mgr., Ingersoll-Rand Co., 11 Broadway, and *for mail*, 629 W. 115th St., New York, N. Y.
- BRENEMAN, Paul E. (Junior, 1912), Ch. Draftsman, E. G. Budd Mfg. Co., Philadelphia, and 5011 Greene St., Germantown, Pa.
- BRENGEL, Frederick J. (1914; Associate-Member, 1916), Supt., Bailey Meter Co., 141 Milk St., Boston, Mass.
- *BRENNAN, E. M. (Associate-Member, 1916), 1st Lieut., 309th Engrs., Camp Taylor, Louisville, Ky.
- *BRENNAN, James (1911; 1917), Capt. and Aide-de-Camp, 7th Div., U. S. A., and *for mail*, Beechwood Blvd., E. L. Pittsburgh, Pa.
- BRENNAN, John T. (Associate-Member, 1913), Asst. County Engr. Cuyahoga Co., Engrs. Office, Courthouse, and *for mail*, 1293 W. 108th St., Cleveland, O.
- BRENNER, Wm. H. (1897), Managing Dir. of Wks., Compania Anglo-Espanola de Cemento Portland, Matillas, Guadalajara, Spain, and *for mail*, 2005 Peachtree Rd., Atlanta, Ga.
- BRENTLINGER, John M. (Associate-Member, 1917), M. E., E. I. du Pont de Nemours & Co., Rm. 863 du Pont Bldg., and *for mail*, 702 W. 23rd St., Wilmington, Del.
- BRENTZINGER, Julius (1915), V. P., Max Ams Mch. Co., Bridgeport, and Broad St., also P. O. Box 342, Fairfield, Conn.
- *BRES, Edward W. (Junior, 1916), Lieut., 312th Engrs, Camp Pike, Ark., and 1119 Short St., New Orleans, La.

- BRESLAV, Jack (Junior, 1916), Sales Engr., Terry Steam Turbine Co., and *for mail*, 16 Florence St., Hartford, Conn.
- BRESLOVE, Joseph (1906; 1913), Sales Engr., Allis-Chalmers Mfg. Co., 1209 Park Bldg., and 5874 Darlington Rd., Pittsburgh, Pa.
- BRESSLER, J. Walter (Associate, 1917), Metallurgist, Tacony Steel Co., 7147 Torresdale Ave., Philadelphia, Pa.
- BRETT, Henry E. (1902), Cons. Engr., 533 Higgins Bldg., Los Angeles, Cal.
- BRETT, Roy C. (Junior, 1917), Instr. M. E., Case Sch. of Applied Science, and 8619 Wade Pk. Ave., Cleveland, O.
- BRETZFELDER, Ira L. (Associate, 1914), V. P., Treas., Alvey Mfg. Co., 3201 S. Broadway, St. Louis, Mo.
- BREUL, Fred G. (Associate, 1917), Owner, Mgr., Fred G. Breul Tool Wks., 282 Kossuth St., and *for mail*, 1876 Noble Ave., Bridgeport, Conn.
- BREWER, Allen F. (Junior, 1916), M. E., Am. Intl. Shipbuilding Corp'n, 140 N. Broad St., Philadelphia, Pa., and *for mail*, 477 Main St., Orange, N. J.
- BREWER, Arthur (1906), Supt. Plant, Bridgeport Brass Co., and *for mail*, 100 Unquowa Hill, Bridgeport, Conn.
- BREWSTER, Frank H. (1894), Genl. Supt., U. S. Rubber Reclaiming Co., Inc., 724 Babcock St., and *for mail*, 180 Woodbridge Ave., Buffalo, N. Y.
- *BREWSTER, Henry B. (1915), Capt. and Adj., 303rd Reg't Engrs., Camp Dix, N. J., and *for mail*, 134 Holland St., Syracuse, N. Y.
- BREYER, Emil F. (Associate-Member, 1915), M. E., The Doe Run Lead Co., Rivermines, Mo.
- BREZINSKY, Emil (1912), M. E., The Strong-Scott Mfg. Co., 415 S. 3rd St., and Berkeley Hotel, Minneapolis, Minn.
- BRICE, Andrew T. (1913), M. E. Dept. of Pub Wks., 2040 Municipal Bldg., New York, and Maple Ave., Sea Gate, N. Y.
- BRIDENBAUGH, Elmer H. (1912), Supt., The Jackson Compressor Co., 1130 12th St.; res., 3756 Clay St., and *for mail*, P. O. Box 424 Denver, Colo.
- BRIDGES, John S. (Associate, 1917), Pres., Coale Muffler & Safety Valve Co., 325 Eliver St., and 3505 N. Charles St., Baltimore, Md.
- BRIDGES, Luther W. (1916), M. E., Charles H. Tenney & Co., 201 Devonshire St., Boston, and *for mail*, 95 Union Ave., Framingham, Mass.
- BRIGGS, Arthur J. (1907), M. E., Smith Premier Wks., Remington Type-writer Co., and 107 Victoria Pl., Syracuse, N. Y.
- BRIGGS, C. A. (1917), Assoc. Physicist Bu. of Standards, and 1521 Oak St., N. W., Washington, D. C.
- BRIGGS, Hermon B. (Junior, 1917), Instr. Mech. Drawing, North Carolina State College of Agri. & Engrg., and *for mail*, 1301 Hillsboro St., Raleigh, N. C.
- *BRIGGS, Leroy E. (1911; Associate-Member, 1914), Capt., O. D., O. R. C.; M. E., U. S. Ch. Inspr. Mch. Guns, Remington Arms Union Metallic Cartridge Co., Bridgeport, Conn.
- BRIGGS, Lester G. (Junior, 1916), Ch. Engr., The Fairbanks Co., 108 Pearl St., and Lenox Hotel, Buffalo, N. Y.
- BRIGGS, William C. (1907), Erie Ave. and Springfield Rd., Elizabeth N. J.
- BRIGHAM, Edmond F. (1913), M. E., N. E. Confectionary Co., 253 Summer St., Boston, and 46 Russell St., Brookline, Mass.
- BRIGHT, Fred E. (1913), Engr., Ret., 417 Park Ave., New York, N. Y.
- BRIGHTMAN, Harrison M. (Associate-Member, 1917), Supt. The Brightman Mfg. Co., So. Columbus, and 551 Linwood Ave., Columbus, O.
- BRIGHTMAN, Howard L. (Associate-Member, 1917), Wks. Mgr. Brightman Mfg. Co., So. Columbus, and 1277 Cole St., Columbus, O.

- *BRILL, George M. (1891; 1896), Maj., E. O. R. C.; Manager, 1904-1907; Vice-President, 1910-1912; Cons. Engr., care of Am. Soc. M. E., 29 W. 39th St., New York, N. Y.
- BRINCKERHOFF, Henry G. (1917), Indus. & Engrg. Equip., 10 High St., Boston, and Chestnut Hill, Mass.
- BRINER, Emil A. (1916), Paper Specialist, Carrier Engrg. Corp'n, 39 Cortlandt St., New York, N. Y., and *for mail*, 489 Central Ave., East Orange, N. J.
- BRINK, Harry L. (1912), Asst. Engr., Am. Hoist & Derrick Co., 63 S. Robert St., and *for mail*, 1738 Van Buren St., St. Paul, Minn.
- BRINKERHOFF, Harry A. (1910), Managing Engr., Westinghouse Church Kerr & Co., 37 Wall St., New York, N. Y., and *for mail*, 199 Sylvan St., Rutherford, N. J.
- BRINLEY, Charles E. (1913), V. P., Mgr., The Am. Pulley Co., 4200 Wissahickon Ave., and 250 S. 18th St., Philadelphia, Pa.
- BRINSMADE, Louis L. (1897; 1906), 90 West St., and 235 W. 103rd St., New York, N. Y.
- BRINTON, Willard C. (1907; 1912), Cons. Engr., 7 E. 42d St., and 55 W. 44th St., New York, N. Y.
- BRISTOL, Charles F. (1916), Genl. Supt., Armstrong, Whitworth of Canada, Ltd., 228 St. James St., Montreal, and *for mail*, P. O. Box 128 Longueuil, Quebec, Canada.
- BRISTOL, Howard H. (Junior, 1913), Engr., The Bristol Co., Waterbury, and Naugatuck, Conn.
- BRISTOL, Wm. H. (1890), Pres., The Bristol Co., Waterbury, Conn.
- BRITTON, John A. (1907), V. P., Genl. Mgr., Pac. Gas & Elec. Co., 445 Sutter St., and St. Francis Hotel, San Francisco, Cal.
- BRITTON, William M. (1916), E. and M. E., Office of Quartermaster Genl., War Dept., Lemon Bldg., Washington, D. C.
- BRIZZOLARA, Robert T. (Junior, 1917), Ophuls, Hill & McCreery, Inc., Engrs., 112 W. 42nd St., and *for mail*, 148 E. 86th St., New York, N. Y.
- BROBSTON, Joseph (1912), V. P., Dexter Portland Cement Co., Nazareth, Pa.
- BROCK, Clarence A. (Junior, 1913), 2318 E. Grand Blvd., Detroit, Mich.
- BROCK, William M. (1894), Div. Supt., Pub. Serv. Elec. Co. and 576 E. 25th St., Paterson, N. J.
- BROCKBANK, Victor (Associate-Member, 1917), Ch. Draftsman, Superior Mch. & Engrg. Co., and *for mail*, 32 Warren E., Detroit, Mich.
- BROCKLEBANK, Arthur P. (1912), Ch. Engr., Alberger Pump & Condenser Co., Rm. 710, 140 Cedar St., New York, and 2209 Ave. I, Brooklyn, N. Y.
- BROCKMAN, Bernard N. (Junior, 1917), Spec. Rep., The R. K. LeBlond Mch. Tool Co., Cincinnati, Ohio.
- BRODEN, Edwin H. (1912), Supt. Rankin Wks., Am. Steel & Wire Co., Rankin, and *for mail*, 1334 Walnut St., Edgewood Park, Swissvale, Pa.
- BRODERICK, George H. (Associate-Member, 1917), Mgr., Monroe Corrugated Box Co., Monroe, Mich., and 811 6th Ave., Topeka, Kan.
- BROEKER, Frederick G. (Associate-Member, 1917), Mech. Draftsman, Braden Copper Co., Rancagua, Chile, S. A.
- BRONSON, Carlos E. (Junior, 1915), Asst. M. E., Kewanee Boiler Co., and *for mail*, 518 Elliott St., Kewanee, Ill.
- BROOKE, Lloyd A. (Associate-Member, 1917), Designing Draftsman Ordnance Dept., U. S. Naval Gun Factory, and 1013 B St., S. E., Washington, D. C.
- BROOKE, W. Clement (Junior, 1915), Asst. Constr. Engr., Interborough Rapid Transit Co., 74th St. and East River, New York, N. Y., and *for mail*, 430 William St., East Orange, N. J.

- BROOKE, William E. (1917), Prof. Head Dept. of Math. and Mech., College of Engrg. & Arch., Univ. of Minnesota, and 416 Walnut St., E. E., Minneapolis, Minn.
- BROOKS, Alfred A. (Associate-Member, 1916), Asst. Engr., Turbine Research Dept., General Elec. Co., West Lynn, and *for mail*, 94 Chester Ave., Chelsea, Mass.
- BROOKS, Chas. C. (1915), Asst. West. Mgr., Mead-Morrison Mfg. Co., 1343-1352 Monadnock Blk., and *for mail*, 6047 Woodlawn Ave., Chicago, Ill.
- BROOKS, Charles E. (Associate-Member, 1917), Supt. M. P., Grand Trunk Pacific Ry., Transcona, Man., Canada.
- BROOKS, Edwin C. (1884), 353 Grove St., Melrose, Mass.
- BROOKS, Henry K. (1907), Pres., The Capital Iron Wks. Co., and Westlawn, Topeka, Kan.
- BROOKS, J. Ansel (1907; 1911), Assoc. Prof. Mech., Brown Univ., and 242 President Ave., Providence, R. I.
- BROOKS, John C. (1917), M. E., Asst. to V. P., Goodell-Pratt Co., and *for mail*, Weldon Hotel, Greenfield, Mass.
- BROOKS, Louis C. (1901; Associate-Member, 1915), Commercial Engr. Industrial Control Dept., Genl. Elec. Co., and *for mail*, 95 Ballston Rd., Schenectady, N. Y.
- BROOKS, Malcolm G. (Junior, 1916), Partner M. S. Brooks & Sons, Chester, Conn.
- BROOKS, Morgan (1885), Life Member; Prof. E. E. Univ. of Ill., and *for mail*, 1005 W. California Ave., Urbana, Ill.
- BROOKS, O. C. (1912), Ch. Engr., Intl. Conveyor Corp'n, 523 Munsey Bldg., Baltimore, Md.
- BROOKS, Percy C. (1915), V. P., The Canadian Fairbanks-Morse Co., Ltd., 1379 Bloor St., Toronto, Ont., Canada.
- BROOM, Benjamin A. (1914), Cons. M. and E. E., 500 United Bank Bldg., and 416 Stone Park Blvd., Sioux City, Ia.
- BROOME, Ernest L. (1898; 1909), M. E., Vielé, Blackwell & Buck, 49 Wall St., New York, and Tarrytown, N. Y.
- BROSIOUS, Frank R. (1913), Supt. of Power, Kemberly-Clark Co., Neenah, and *for mail*, 433 North St., Appleton, Wis.
- BROUILLETTE, Albert V. (Associate-Member, 1917), Engr., N. E. Westinghouse Co., Chicopee Falls, and *for mail*, 64 Grosvenor St., Springfield, Mass.
- BROWER, Clarence L. (1916), Ch. Engr., U. S. Metals Refining Co., and Atlantic St., Chrome, N. J.
- BROWN, A. G. (1884), Life Member; 53 Victoria Bldgs., Manchester, and *for mail*, Ellerslie, Oswald Rd., Chorlton-cum-Hardy, England.
- *BROWN, Arthur L. (Junior, 1917), First Lieut., O. O. R. C., Small Arms Div., 1801 I St., Washington, D. C.
- BROWN, Albert M. (Junior, 1915), Sales Engr., Chicago Pneumatic Tool Co., 1740 Market St., Philadelphia, and 210 E. Fishers Ave., Olney, Pa.
- BROWN, Albert T. (1917), Engrg. Asst. Mech. Dept. Pub. Serv. Elec. Co., Rm. 728 Pub. Serv. Terminal, Newark, and 377 Park Ave., East Orange, N. J.
- BROWN, Alexander C. (Junior, 1914), V. P., Genl. Mgr., The Brown Hoisting Mch. Co., 4403 St. Clair Ave., and 1625 Hazel Drive, Cleveland, O.
- BROWN, Alex. T. (1890), Life Member; Pres., Brown-Lipe Gear Co., 200 S. Geddes St., and *for mail*, 726 W. Onondaga St., Syracuse, N. Y.
- BROWN, Alfred C. (1914), Wks. Mgr., Hopkins & Allen Arms Co., and 12 Williams St., Norwich, Conn.

- BROWN, Arthur J. (1917), Ch. Draftsman Elec. Dept., Allis-Chalmers Mfg. Co., West Allis, and *for mail*, 3311 McKinley Blvd., Milwaukee, Wis.
- *BROWN, Arthur L. (Junior, 1917), 1st Lieut., O. O. R. C.; Instr., Mass. Inst. of Tech., Cambridge, Mass., and *for mail*, Rye Beach, N. H.
- BROWN, Aubrey I. (Junior, 1914), Asst. Prof. M. E., Pa. State College, State College, Pa.
- BROWN, Benjamin F. (1916), Pres., Mgr., Brown Bag-Filling Mch. Co., 10 Main St., and 27 Myrtle Ave., Fitchburg, Mass.
- BROWN, Cecil W. (Associate-Member, 1915), Industrial Power Spec., Stone & Webster Management Asso., 147 Milk St., Boston, Mass., and *for mail*, 3 Clinton St., Woonsocket, also 100 Charles Field St., Providence, R. I.
- BROWN, Charles M. (Associate, 1912), V. P., Colonial Steel Co., Keystone Bldg., Pittsburgh, Pa.
- BROWN, Chas. S. (1890), Prof. M. E., Vanderbilt Univ., and 921 19th Ave., S. Nashville, Tenn.
- BROWN, Claude C. (Junior, 1916), Power Engr., California & Hawaiian Sugar Refining Co., Crockett, and *for mail*, 825 Fallon St., Oakland, Cal.
- BROWN, Clinton B. (Associate-Member, 1917), Erecting Engr., Henry R. Worthington, Harrison, N. J., and *for mail*, 18 E. 41st St., New York, N. Y.
- BROWN, Davis (1916), Supt. Engrg. Dept., The Am. Clay Mch. Co., and 319 E. Lucas St., Bucyrus, Ohio.
- BROWN, Dickson Q. (1902; 1914), Tide Water Oil Co., 11 Broadway, New York, N. Y.
- BROWN, E. Karl (Junior, 1916), Estimator, The Lake Torpedo Boat Co., and *for mail*, 82 Newfield Ave., Bridgeport, Conn.
- BROWN, Earle W. (1913), Asst. Supt. Blast Furnaces, The Natl. Tube Co., Lorain, and *for mail*, 128 Ohio St., Elyria, O.
- BROWN, Edward C. (1917), Cons. Engr., Edward C. Brown & Co., 207 Essex St., Boston, Mass.
- *BROWN, Edward W. (1910), Lieut., U. S. N. R. F.; V. P., Genl. Mgr., Sterling Salt Co., 29 Broadway, New York, and Dongan Hills, N. Y.
- BROWN, Edwin H. (1903; 1914), Partner, Hewitt & Brown, 716 Fourth Ave., S. Minneapolis, and Point Lookout, Wayzata, Minn.
- BROWN, Ernest W. (1912), V. P. and Secy., Blackstone Mutual Fire Ins. Co., 802 Grosvenor Bldg., and 90 Congdon St., Providence, R. I.
- *BROWN, Eugene L., Jr. (1914; Associate-Member, 1914), 1st Lieut., E. O. R. C., U. S. A., and *for mail*, care of E. L. Brown, Sr., 5621 Chamberlain Ave., St. Louis, Mo.
- *BROWN, Fred W. (Associate-Member, 1915), Capt., O. D., O. R. C., Rock Island Arsenal, Rock Island, Ill.
- BROWN, Frederick B. (1913), Cons. Engr., Partner, Walter J. Francis & Co., 260 St. James St., Montreal, and 261 Strathearn Ave., Montreal, W., Que., Canada.
- BROWN, Gabriel S. (1912), Pres., Alpha Portland Cement Co., and *for mail*, Meixell St., Easton, Pa.
- BROWN, Harold A. (Junior, 1916), Winchester Repeating Arms Co., and *for mail*, 98 Alden Ave., New Haven, Conn.
- BROWN, Harry S. (Junior, 1910), N. E. Sales Mgr., Power Spec. Co., 50 Congress St., and 538 Commonwealth Ave., Boston Mass.
- BROWN, Harry W. (Junior, 1909), Asst. Engr., Am. Agri. Chem. Co., 92 State St., Boston, Mass., and *for mail*, Mich. Carbon Wks., Box 814, Detroit, Mich.
- BROWN, Herman E. (1908), Chem. Engr., 115 Broadway, New York and 15 W. Chestnut St., Kingston, N. Y.

- BROWN, Holcombe J. (1916), Cons. Engr., Box 101, Ridley Park, Pa.
- BROWN, Howard H. (Junior, 1908), Editor Marine Engrg., Aldrich Publishing Co., 461 Eighth Ave., New York, N. Y., and 217 E. 7th St., Plainfield, N. J.
- BROWN, Hugh T. (1903), Pres., H. T. Brown & Co., P. O. Box 621, Winchester, Tenn.
- BROWN, Irving F. (Junior, 1917), Asst. Engr., Westinghouse Church Kerr & Co., 37 Wall St., New York, N. Y., and *for mail*, 101 S. Tenth St., Newark, N. J.
- BROWN, J. Grove (1902), Ch. Engr., Universal Rd. Mchy. Co., and 39 Van Buren St., Kingston, N. Y.
- BROWN, J. Rowland, (1900; 1904; 1909), E. E., Ohio Brass Co., Mansfield, O.
- BROWN, James M. (1900; 1906), Supt., The Sandusky Fdy. & Mch. Co., and *for mail*, 808 W. Washington St., Sandusky, O.
- BROWN, James W. (1914), M. E., Lincoln Motor Co., and *for mail*, 2960 W. Grand Blvd., Detroit, Mich.
- BROWN, John J. (1902), V. P., Wheeler Condenser & Engrg. Co., Carteret, and 44 Bleecker St., Newark, N. J.
- BROWN, John Q. (1906), V. P., Genl. Mgr., Nev. Valleys Power Co., 410 First Natl. Bank Bldg., and 127 Bayo Vista Ave., Oakland, Cal.
- *BROWN, John W., Jr. (1915), Maj., E. U. S. R., Camp Lee, Petersburg, Va., Cons. Engr., 659 Calvert Bldg., Baltimore, Md.
- BROWN, Lewis K. (1916), V. P., The Burton-Townsend Co., Secy., Treas., Kenmont Coal Co., Secy., The Interstate Sand Co., and 433 Adair Ave., Zanesville, O.
- BROWN, Lyman H. (1914), M. E., The Travelers Ins. Co., Hartford, Conn.
- BROWN, Melville G. (Associate-Member, 1915), Chas. Brown & Co., 32-34 E. 31st St., New York, N. Y.
- BROWN, Mortimer C. (Associate-Member, 1915), Ch. Engr. of Fayville Plant, Aetna Explosives Co., Fayville, Ill.
- BROWN, Owsley (Associate-Member, 1914), Pres., Treas., Springfield Boiler Co., and 833 S. 4th St., Springfield, Ill.
- BROWN, Percy (Associate-Member, 1916), Supt., Am. Graphophone Co., and *for mail*, 98 Washington Terrace, Bridgeport, Conn.
- BROWN, Rezeau B. (1913, Genl. Mgr., Milwaukee Gas Light Co., 182 Wisconsin St., and 456 Lafayette Pl., Milwaukee, Wis.
- BROWN, Richard P. (1908; 1916), Pres., Brown Instrument Co., Wayne and Windrum Aves., and 3617 Powelton Ave., Philadelphia, Pa.
- BROWN, Robert G. (1912), George School, Pa.
- BROWN, Robt. S. (1891; 1904), Life Member; Secy., The New Britain Mch. Co., and *for mail*, 16 Forest St., New Britain, Conn.
- BROWN, Stephen P. (1909), V. P. and Genl. Mgr., Ford, Bacon & Davis Const. Corp'n, 115 Broadway, New York, N. Y.
- BROWN, Stuart F. (Junior, 1913), Asst. to Supt. on Production, Whitin Mch. Wks., Whitinsville, Mass.
- BROWN, Theophilus (1912), Mgr. Exper. Dept., Deere & Co., and *for mail*, 2535 9th Ave., Moline, Ill.
- BROWN, Thomas O. (1913), M. E., Westinghouse Church Kerr & Co., 37 Wall St., New York, N. Y., and Bloomfield Way, Llewellyn Pk., Orange, N. J.
- BROWN, Walter E. (Junior, 1910), Ch. Engr., United Iron Wks. Co., and 760 Weller Ave., Springfield, Mo.
- BROWN, Wendell S. (Junior, 1916), Industrial Engr., F. P. Sheldon & Son, 603 Industrial Trust Bldg., Providence, and 176 Pawtucket Ave., Edgewood, Providence, R. I.
- BROWN, Willard (1910), Ch. Engr., The Upson Nut Co., and *for mail*, 2207 E. 89th St., Cleveland, O.

- BROWN, William C. (1896), Ch. Engr., Humphrey Gas Pump Co., S. A. and K. Bldg., Syracuse, N. Y.
- BROWN, William H. (1909), Pres., Brown Spring Oiler Co., 6911 Carnegie Ave., and 3813 Euclid Ave., Cleveland, O.
- BROWNE, Frank A. (1913), Genl. Purchasing Officer, U. S. Shipping Bd., Munsey Bldg., Washington, D. C.
- BROWNE, Gail H. (1916), Res. Engr., Ford, Bacon & Davis, care of Lehigh Valley Transit Co., Allentown, Pa.
- BROWNE, James H. (1912), Sales Engr., Am. Radiator Co., 115 N. Broad St., Philadelphia, and *for mail*, Montevista Apts., 63d and Oxford Sts., Overbrook, Pa.
- BROWNE, Robert L. (Associate-Member, 1917), Commer. Welding Engr., Goldschmidt Thermit Co., 120 Broadway, New York, N. Y.
- BROWNE, Thomas A. (Associate, 1916), Employment Supvr., The Sperry Gyroscope Co., Manhattan Bridge Plaza, and 285 McDonough St., Brooklyn, N. Y.
- BROWNING, Charles, Jr. (1905), Foreman Lab., South. Pac. Co., and *for mail*, R. D. No. 3, Box 102, Sacramento, Cal.
- BROWNING, Earl H. (1915), V. P., Secy., The Mch. Products Co., Syracuse Ave. and Berlin Rd., and *for mail*, 936 E. 185th St., Cleveland, O.
- BROWNING, Frank H. (1914), M. E., The Union Sulphur Co., Sulphur, La.
- BROWNING, Victor R. (1908), Victor R. Browning & Co., and *for mail*, 17,701 Lake Shore Blvd., Cleveland, O.
- BRUBACK, Theodore M. (Junior, 1916), Dist. Sales Agt., Vulcan Soot Cleaner Co., 812 Peach St., Erie, Pa.
- BRUCE, Alfred W. (1914), Am. Loco. Co., 30 Church St., New York, N. Y.
- BRUCE, John M. (Associate, 1915), V. P., Genl. Sales Dir., Remington Typewriter Co., 374 Broadway and 32 W. 40th St., New York, N. Y.
- BRUCKNER, Rudolph E. (1909), Sales Engr., U. S. Gauge Co., 67 Wall St., and *for mail*, 672 St. Nicholas Ave., New York, N. Y.
- BRUFF, Charles E. (1908), Bradley, Bruff & Labarthe, 85 Second St., and 390 Arguello Blvd., San Francisco, Cal.
- BRUFF, Charles L. (1914), Cons. Mech. Engr., 1834 Shunk St., Philadelphia, Pa.
- BRUNGER, Harry L. (1913), Wks. Mgr., The Aultman & Taylor Mchy. Co., and *for mail*, 153 Western Ave., Mansfield, O.
- BRUNNER, George L. (Associate, 1915), Treas., Genl. Mgr., Brunner Mfg. Co., Broad and Gilbert Sts., and 817 Genesee St., Utica, N. Y.
- BRUNNER, Hans (Associate-Member, 1917), M. E., Essex Rubber Co., Inc., and *for mail*, 679 Rutherford Ave., Trenton, N. J.
- BRUNNER, Roy S. (1912), 103 N. 7th Ave., Bethlehem, Pa.
- BRUNTON, David W. (1913), Cons. Engr., 730 Symes Bldg., and 865 Grant St., Denver, Colo.
- BRUSH, Alanson P. (1915), Ch. Engr., Brush Engrg. Asso., 203 Boyer Bldg., and 93 Palmer Ave., W., Detroit, Mich.
- BRUSH, Charles F. (1880), Life Member; E. E., Ret., 481 The Arcade, and 3725 Euclid Ave., Cleveland, O.
- BRUSSEL, John W. (Associate-Member, 1917), Supvr. of Machining, Dayton Engrg. Labs. Co., 329 E. 1st St., and *for mail*, 6 Simms St., Dayton, O.
- BRYAN, Artis C. (Associate-Member, 1916), Ch. Engr., Factory Mgr., Durston Gear Co., Inc., and *for mail*, 3332 S. Salina St., Syracuse, N. Y.
- BRYAN, Marcus K. (Associate-Member, 1916), M. E., John A. Stevens, 904 Sun Bldg., and 383 E. Merrimack St., Lowell, Mass.

- BRYAN, Walter E. (Associate-Member, 1914), Supt. Power Stas., United Rys. Co. of St. Louis, 3869 Park Ave., and 5915 DeGiverville Ave., St. Louis, Mo.
- BRYANS, Henry B. (Associate-Member, 1917), Engr., Counties Gas & Elec. Co., 212 DeKalb St., and 204 Franklin Ave., Norristown, Pa.
- BRYANT, F. J. (1902), Perfection Toy Craft Co., West Brookfield, Mass.
- BRYANT, George F. (1912), Cons. Engr., 1910 Calumet Ave., and 559 E. 50th St., Chicago, Ill.
- BRYANT, Percy J. (1916), Ch. Engr., U. S. Military Academy, West Point, and 7 Central Ave., Newburgh, N. Y.
- BRYANT, Raymond F. (Associate, 1917), Supt. of Production Efficiency, Yale & Towne Mfg. Co., and *for mail*, 268 South St., Stamford, Conn.
- BRYANT, William L. (1910), Pres., Bryant Chucking Grinder Co., Springfield, Vt.
- BRYCE, Richard M. (Junior, 1913), Baumes, McDevitt Mch. Co., Railway Exchange Bldg., and 5015 Cabanne St., St. Louis, Mo.
- BRYDON, Herbert B. (1911), M. E., H. M. Byllesby & Co., Chicago, Ill.
- BRYSON, Tandy A. (Associate-Member, 1916), Ch. Engr., Tolhurst Mch. Wks., 648 Fulton St., and 2228 Fifteenth St., Troy, N. Y.
- BUCK, Carl F. (1914), Ch. Engr., Garfield Smelting Co., Garfield, Utah.
- BUCK, Irwin (Junior, 1907), Ehrich Bros., 200 Fifth Ave., and *for mail*, 347 W. 55th St., New York, N. Y.
- BUCK, Lucien (1911; 1913), Genl. Mgr., Parana Paper Co., Inc., Caixa Postal 310, Curityba, Parana, Brazil.
- BUCK, T. E. (Associate-Member, 1914), Designer, United Engrg. & Fdy. Co., Farmers Bank Bldg., Pittsburgh, Pa., and *for mail*, 629 S. 6th St., Springfield, Ill.
- *BUCKINGHAM, Earle (Associate-Member, 1913), Capt., Ord. Dept., U. S. R., Inspection Sect., Gun Div., 24th St. and Broadway, New York, N. Y., and *for mail*, 390 Whalley Ave., New Haven, Conn.
- BUCKINGHAM, Edgar (1914), Assoc. Physicist, Bureau of Standards, Washington, D. C., and 18 Hesketh St., Chevy Chase, Md.
- BUCKLER, Albert (Junior, 1905), Asst. Supt., U. S. Lighthouse Serv., 343 Custom House, and 839 Hamilton Terrace, Baltimore, Md.
- BUCKLEY, Ambrose T. (Junior, 1917), Cable Tester Engr. Div., Fire Dept. of New York, Rm. 1111 Municipal Bldg., New York, and *for mail*, 493 Chauncy St., Brooklyn, N. Y.
- BUCKLEY, John F. (1906), Genl. Mgr., Buckley Spec. & Mch. Co., and 1029 W. North St., Lima, O.
- *BUCKLEY, John H. (1912), Capt., Equip. Engr., Small Arms Div., Frankford Arsenal, Philadelphia, Pa.; Standardization Engr., Otis Elev. Co., 26th St. and 11th Ave., New York, and 243 Warburton Ave., and *for mail*, P. O. Box 335, Yonkers, N. Y.
- BUCKWALTER, Traey V. (1913), Ch. Engr., The Tinken Roller Bearing Co., and *for mail*, 609 Tuscarawas St., W., Canton, O.
- BUDD, Edward G. (1903), Pres., Edward G. Budd Mfg. Co., 25th and Hunting Park Ave., Philadelphia, and *for mail*, 157 Pelham Rd., Germantown, Philadelphia, Pa.
- BUDWELL, Leigh (Junior, 1916), M. E., Richmond, Fredericksburg & Potomac R. R. Co., Washington South. Ry. Co., and P. O. Box 233, Richmond, Va.
- BUENSOD, A. C. (Associate-Member, 1915), Sales Engr., Carrier Engrg. Corp., 39 Cortlandt St., and 61 W. 10th St., New York, N. Y.
- BUENTING, Otto W. (1914), Genl. Supt., Westinghouse Air Brake Co., Wilmerding, and 910 Peebles St., Wilksburg, Pa.
- BUERGER, Charles B. (1916), Cons. Engr., Atlantic Refining Co., 3144 Passyunk Ave., and 3740 N. 18th St., Philadelphia, Pa.
- BUERSTATTE, Fred W. (1916), Salesman, Hofins Steel and Equipment Co., Smith Bldg., and Knickerbocker Hotel, Seattle, Wash.

- BUELL, Maurice L. (Junior, 1916), Robt. W. Hunt & Co., 90 West St.,
 and *for mail*, 402 Ninth Street, Brooklyn, N. Y.
- BUENGER, Albert (Junior, 1916), M. E., Chas. L. Pillsbury Co., 813
 Metropolitan Life Bldg., and *for mail*, 1270 St. Anthony Ave., St. Paul,
 Minn.
- BUFFINGTON, Harry C. (1913; 1917), Motor Engr., Minneapolis Steel &
 Mchy. Co., and *for mail*, 3021 Fremont Ave., S. Minneapolis, Minn.
- BUFORD, Edwin H. (Junior, 1916), Engr., of Design and Erection, Mon-
 santo Chem. Wks., St. Louis, Mo.
- BUGGE, Sven B. (1916), Engr., Wausau Sulphate Fibre Co., Mosinee, Wis.
- BUKER, Henry (1907), Asst. Secy. and Sales Mgr., Brown & Sharpe Mfg.
 Co., and 395 Wayland Ave., Providence, R. I.
- BULKELEY, Claude A. (1909), Cons. M. and E. E., Woodwell, Bulkeley
 & Woodman, 8 W. 40th St., New York, N. Y.
- BULKLEY, J. Norman (1902), Cons. Engr., 120 Broadway, and 395 Cen-
 tral Park W., New York, N. Y.
- BULL, Eyvind H. (1917), Engr., Green Engrg. Co., East Chicago, Ind.,
 and *for mail*, 1540 E. 68th St., Chicago, Ill.
- BULLARD, Dudley B. (1889), M. E., The Bullard Mch. Tool Co., and 2429
 North Ave., Bridgeport, Conn.
- BULLARD, Edward P. Jr. (1913), Pres., The Bullard Mch. Tool Co.,
 Broad and Allen Sts., Bridgeport, Conn.
- BULLARD, John E. (Associate, 1913), Assoc. Editor of The Horseless
 Age, 95 Madison Ave., New York, and 14 Adams St., Port Washington,
 L. I., N. Y.
- BULLARD, Maurice I. (Associate-Member, 1916), M. E., E. E., L. H.
 Shattuck, Inc., 208 Granite St., Manchester, and *for mail*, Ports-
 mouth, N. H.
- BULLEN, Arthur C. (Junior, 1911), Genl. Engr., The Holly Sugar Co.,
 and *for mail*, P. O. Box 64, Swink, Colo.
- BULLOCK, Edwin R. (1890; 1904), Asst. to Ch. Engr., Lorain Wks.,
 Natl. Tube Co., Lorain, and *for mail*, 230 Third St., Elyria, O.
- BULLOCK, William E. (Associate-Member, 1913), Assoc. Editor, Am. Soc.
 M. E., 29 W. 39th St., New York, and 26 Maxweber Ave., Jamaica,
 N. Y.
- BULTMANN, Robert A. W. (Junior, 1916), M. E., 537 Chamber of Com-
 merce Bldg., Los Angeles, and *for mail*, 127 East Ave., Monrovia, Cal.
- BUMP, Archie E. (1908; 1915), Mgr. Constr. and Mech. Depts., East Dist.,
 Swift & Co., 60 N. Market St., Boston, and *for mail*, 39 Melville Ave.,
 Dorchester, Mass.
- BUMP, Burton N. (1892; 1904), Mgr. Steam Dept., Engr. of Tests, Solvay
 Process Co., and 404 Hamilton St., Syracuse, N. Y.
- BUNGE, L. W. A. (Junior, 1916), Asst. M. E., Sanitary Dist. of Chicago,
 Harper Bldg., Chicago, and *for mail*, 418 N. Taylor Ave., Oak
 Park, Ill.
- BUNGE, Ralph W. (Junior, 1915), Wm. H. Bunge Co., 315 N. Ann St.,
 M. E. The Fleischmann Co., and 3326 Park Ave., Chicago, Ill.
- BUNKER, Arthur H. (Junior, 1917), Refrig. Engr., Am. Ice Co., 1480
 Broadway, New York, N. Y.
- BUNKER, Raymond U. (Junior, 1910), Partner, Robt. Sayre Kent, Inc.,
 50 Court St., Brooklyn, and 650 N. Broadway, Yonkers, N. Y.
- BUNKER, Walter D. (Associate-Member, 1917), Genl. Mgr., Judson Mfg.
 Co., and *for mail*, 329 49th St., Oakland, Cal.
- BUNN, Frank W. (1894), Ch., M. E., John A. Roebling's Sons Co., Tren-
 ton, N. J.
- BUNNELL, Sterling H. (1894; 1903), Ch. Engr., R. Martens & Co., Inc.,
 24 State St., New York, N. Y.
- BUNTING, Charles A. deK. (Junior, 1914), V. P. Quincy Elev. Gate Co.,
 and *for mail*, 1229 Kentucky St., Quincy, Ill.

- BUNTING, Douglas (1902), Ch. Engr., Lehigh & Wilkes-Barre Coal Co., and *for mail*, 93 W. Union St., Wilkes-Barre, Pa.
- BUNTON, F. L. (1914), Mgr., E. Keeler Co., 905 Commonwealth Bldg., Pittsburgh, Pa.
- BUNZEL, Erwin (1916), Refrigerating Engr., Armour & Co., U. S. Yards, and *for mail*, 1338 Hollywood Ave., Chicago, Ill.
- BUNZL, Walter G. (Junior, 1916), Asst. to Supt., Stand. Shibuilding Co., Shooter Island, and *for mail*, 175 W. 72d St., New York, N. Y.
- BURBANK, Louis S. (1898), M. E., Ludlow Mfg. Associates, Ludlow, Mass.
- BURCH, H. Kenyon (1910), Mech. and Metallurgical Engr., 715 S. Oxford, Los Angeles, Cal.
- BURCHARD, Anson W. (1888; 1891), V. P. Genl. Elec. Co., 120 Broadway, and 57 E. 64th St., New York, N. Y.
- BURDICK, Ellsworth J. (1913), Asst. Genl. Mgr., Detroit United Ry., Interurban Bldg., and 511 Seminole Ave., Detroit, Mich.
- BURDICK, Geo. S. (Associate-Member, 1914), Steam Engr., Allis-Chalmers Mfg. Co., Milwaukee, and *for mail*, 57 Chestnut St., Wauwatosa, Wis.
- BURDICK, Herbert (Associate-Member, 1917), Designing Engr., Ch. Draftsman, De Camp & Sloan, Inc., 420 Ogden St., Newark, and *for mail*, 317 Glenwood Ave., East Orange, N. J.
- BURDSALL, Ellwood (1880; 1916), Secy. Treas., Engr., Russell, Burdsall & Ward Bolt & Nut Co., and King St., Port Chester, N. Y.
- BURGAN, A. L. (1897; 1899; 1903), Mill Supt., Tamarack Min. Co., Osceola Consld. Mfg. Co., Ahmeek Min. Co., Hubbell, Mich.
- BURGER, Frederick W. (Associate-Member, 1917), Supt. Delphos Mfg. Co., and *for mail*, 312 E. 3rd St., Delphos, O.
- BURGES, Charles W. (1914), Tool Engr., Hendu Mfg. Co., 837 State St., and *for mail*, 27 Albemarle Ave., Springfield, Mass.
- BURGESS, A. Bradley (1910; Associate-Member, 1913), V. P. Stand. Plunger Elev. Co., 243 Stafford St., and 124 Brookline St., Worcester, Mass.
- BURGESS, Chas. M. (1897), Life Member; 358 W. Main St., New Britain, Conn.
- BURGESS, Edward W. (Junior, 1908), Engrg. Dept., A. O. Smith Corp'n, and *for mail*, 615 39th St., Milwaukee, Wis.
- BURGHARDT, Henry D. (1913), Instr. Charge Mch. Shops, Wm. L. Dickinson H. S., and *for mail*, 125 Clifton Pl., Jersey City, N. J.
- BURGOON, Charles E. (1907), Ch. Engr., The Sandusky Cement Co., York, Pa.
- BURHORN, Edwin (1914), Pres., Edwin Burhorn Co., 71 Wall St., New York, N. Y.
- BURKE, Albert G. Jr. (1913), Genl. Sales Mgr., Green Engrg. Co., 14 E. Jackson St., and *for mail*, 1365 E. 52nd St., Chicago, Ill.
- BURKE, James (1916), Pres., Burke Elec. Co., and 239 W. 10th St., Erie, Pa.
- BURKE, Walter S. (1913), Harvard College, and 15 Lake View Ave., Cambridge, Mass.
- BURKHOLDER, Charles I. (1912), Genl. Mgr., So. Power Co., and Myers Park, Charlotte, N. C.
- BURLEIGH, Chas. B. (1905), Dist. Mgr. Ltg. Dept. Genl. Elec. Co., 84 State St., Boston, Mass.
- BURLEIGH, Perry G. (Junior, 1913), Testing Engr., Gen. Elec. Co., Schenectady, and *for mail*, Oswego, N. Y.
- BURLEIGH, Robert B. (Associate-Member, 1914), Rep., Quality Saw & Tool Wks., Springfield, Mass., and *for mail*, Norwood Sta., Delaware Co., Pa.

- BURLEIGH, William F. (1905), Genl. Supt., Murphy Varnish Co., 224 McWhorter St., and 48 Milford Ave., Newark, N. J.
- BURLEIGH, William H. (Junior, 1911), Cons. Div., Packard Motor Car Co., and *for mail* 472 Cadillac Ave., Detroit, Mich.
- BURLEIGH, William S. (Junior, 1913), Statistician, Wm. Whitman Co., Inc., 78 Chauncy St., Boston, and *for mail*, 80 Walnut St., Natick, Mass.
- *BURLING, Herbert S. (Junior, 1913), 2nd Lieut., 313th F. A., O. R. C., Camp Lee, Va., and 333 Springfield Ave., Summit, N. J.
- BURLINGAME, Luther D. (1903), Industrial Supt., Brown & Sharpe Mfg. Co., and *for mail*, 15 Catalpa Rd., Providence, R. I.
- BURLINGAME, Wm. B. (1906), Arecibo Ice & Soda Water Co., Inc., Arecibo, P. R., and 18 Linden St., Exeter, N. H.
- BURNELL, Alfred E. (Junior, 1915), Draftsman, The N. J. Zinc Co. of Pa., and *for mail*, 421 Lafayette Ave., Palmerton, Pa.
- BURNET, Edgar E. (1913), Rancher, Lincoln, Cal.
- BURNET, Tom (1915), Engr. in Charge, Bulawayo Waterworks Co., Ltd., P. O. Box 220, Bulawayo, Rhodesia, S. A.
- BURNETT, Earle S. (Associate-Member, 1913), Research Engr., The Normalair Co., and *for mail*, The Twin City Club, Winston-Salem, N. C.
- BURNETT, R. W. (1914), Master Car Builder, Del. & Hudson Co., and *for mail*, The Ten Eyck Hotel, Albany, N. Y.
- BURNHAM, Charles (Associate-Member, 1917), Supt., Ch. Engr., Burnham Basket Co., 202 Fay Bldg., Los Angeles, and *for mail*, 614 Central Ave., Tropic, Cal.
- BURNHAM, Wm. (Associate, 1888), Chairman of Board, Stand. Steel Wks. Co., Morris Bldg., and *for mail*, 4301 Spruce St., Philadelphia, Pa.
- BURNS, A. L. (1888; 1897), V. P., Jabez Burns & Sons, 600 W. 43d St., New York, N. Y., and Glen Ridge, N. J.
- BURNS, Herbert A. (Associate-Member, 1917), Supt. Material Dept., Internatl. Arms & Fuse Co., Bloomfield, and 312 Mt. Prospect Ave., Newark, N. J.
- BURNS, Homer S. (1911), Supt. of Constr. and Operation of Plants, Freeport Sulphur Co., Freeport, Tex., and 1535 Third Ave., Huntington, W. Va.
- BURPEE, Frank E. (1914), Prof. M. E., Bucknell Univ., Lewisburg, Pa.
- BURR, Ellis M. (1917), Pres. The Burr Co., Champaign, Ill.
- BURR, Frank A. (1914), 63 Lowell Ave., Providence, R. I.
- BURR, William H. (1907), Cons. Engr., 120 Broadway, New York, N. Y., and *for mail*, New Canaan, Conn.
- BURRAGE, Charles W. (Junior, 1914), Asst. to Pres., F. W. Dodge Co., 119 W. 40th St., New York, and 20 S. 15th St., Flushing, N. Y.
- BURRELL, Benjamin S. (Associate-Member, 1917), Genl. M. M., Inland Steel Co., and *for mail*, Barker Bldg., Indiana Harbor, Ind.
- BURRESS, Lloyd F. (Junior, 1917), Supt. Coke Ovens, Ill. Steel Co., and *for mail*, 744 Jackson St., Gary, Ind.
- BURRILL, Albert S. (Associate-Member, 1917), Ch. Draftsman, Pratt & Whitney Co., 436 Capitol Ave., and *for mail*, 4 Collins St., Hartford, Conn.
- BURROUGHS, Charles F. (1916), Pres., The Charles Burroughs Co., 141-149 Commerce St., Newark, and 122 Prospect St., East Orange, N. J.
- *BURROUGHS, Joseph H., Jr. (1911; 1913), Capt., C. A., O. R. C., Acting Quartermaster, U. S. A., Ft. Dupont, Delaware, and *for mail*, 1026 Spruce St., Philadelphia, Pa.
- BURROW, Edgar A. (Associate, 1916), Burkeville, Newton Co., Tex.

- BURROWS, Robert J. (1914), Mgr. Axle Dept., Celfor Tool Co., and *for mail*, Box 693, Buchanan, Mich.
- BURSLEY, Joseph A. (1906; 1910), Assoc. Prof. M. E., Univ. of Mich., and 1402 Hill St., Ann Arbor, Mich.
- BURT, Austin (1913), Mgr., Citizens Gas & Elec. Co., and *for mail*, 631 W. 3d Ave., Waterloo, Ia.
- BURT, Clayton R. (1909), Genl. Mgr., Russell Motor Car Co., 93 Dewey Ave., Buffalo, N. Y.
- BURT, George R. (1915), V. P., The Franklin Mch. Co., Inc., P. O. Box 1203, and 129 Pleasant St., Providence, R. I.
- BURTON, Sylvester E. (Associate, 1914), Ch. Engr. Mech. Dept., Los Angeles Co., and *for mail*, 1265 W. 39th Pl., Los Angeles, Cal.
- *BURTON, W. Dean (1914), Aero. M. E., U. S. Signal Serv., Fort Omaha, and 1464 Emmet St., Omaha, Neb.
- BURTSELL, Bertram W. (1913), Cons. Engr., 39 Elizabeth St., Hartford, Conn.
- BURWELL, Robert T. (1901), Ch. Insp. Gulf Dept., Hartford Steam Boiler Inspc. & Ins. Co., 833 Gravier St., and *for mail*, 1709 Prytania St., New Orleans, La.
- BUSE, F. W. (1914), Dir., Deutsche Maschinenfabrik A. G. Duisburg, Germany, care of Neumeyer & Dimond, 82 Beaver St., New York, and 92 E. 18th St., Brooklyn, N. Y.
- *BUSH, Harold M. (1894; 1905), Col. 134th F. A., 37th Div., U. S. A., Camp Sheridan, Ala., Cons. Engr., 136 E. Gay St., Columbus, and Briggsdale, O.
- BUSHNELL, Douglas S. (1909), Pres., N. Y. Transit Co., 26 Broadway New York, N. Y., and 30 Elm St., Morristown, N. J.
- BUSHNELL, Fred. N. (1891), Manager, 1917-1920; Engrg. Mgr., Stone & Webster, 147 Milk St., Boston, and 265 St. Paul St., Brookline, Mass.
- BUSHNELL, Horace C. (1913), Asst. Supt. M. P., United Rys. & Elec. Co., 1310 Continental Trust Bldg., and 2624 St. Paul St., Baltimore, Md.
- BUSHNELL, J. E. (1913; Associate-Member, 1916), Engr., Robins Conveying Belt Co., 13 Park Row, New York, and *for mail*, Cold Spring, Putnam Co., N. Y.
- BUSHNELL, Leonard T. (1906; 1914), Secy., Treas., Rockwood Sprinkler Co., 532 First Ave., S., and 1123 16th Ave., N., Seattle, Wash.
- BUSSE, F. Ewald (1913), V. P., Barry-Wehmiller Mch. Co., 6501 Florissant Ave., St. Louis, Mo.
- BUTCHER, Joseph J. (1892), Cons. Engr. Motor Truck Dept., Guiler Engrg. Co., and *for mail*, 59 Pearl St., South Framingham, Mass.
- BUTLER, Joseph F. (1916), Nichols Copper Co., Laurelhill, and *for mail*, Bayside, L. I., N. Y.
- BUTLER, Matthew J. (1912), L. L. D., C. M. G., Managing Dir., Armstrong, Whitworth of Canada, Ltd., 298-300 St. James St., and Windsor Hotel, Montreal, Que., Canada.
- BUTLER, Nathan R. (Associate-Member, 1914), Asst. Wks. Mgr. Jeanesville Plant, Worthington Pump & Mch. Corp., Hazleton, Pa.
- BUTLER, Roland G. (Junior, 1914), Engrg. Dept., Mattoon, Ill., and 505 S. Race St., Urbana, Ill.
- BUTLER, Thomas M. (Junior, 1915), Prest-O-Lite Co., Inc., 1239 Woodward Ave., Detroit, Mich.
- BUTLER, William A. (1915), Asst. Supt. Power Stas., Duquesne Light Co., Rm. 914, 435 Sixth Ave., and *for mail*, 5622 Phillips Ave., Pittsburgh, Pa.
- BUTTERFIELD, Thomas E. (1912), Capt. C. A. N. A., Fortress Monroe, Va., and 28 Sargent St., Westbrook, Me.

- BUTTOLPH, Benjamin G. (1905), V. P., Engr., Mfrs. Mut. Fire Ins. Co., 815 Grosvenor Bldg., and 315 Thayer St., Providence, R. I.
- BUVINGER, George A. (1901; 1904), Engr. Exper. Div. No. 1, Dayton Metal Products Co., and *for mail*, 971 Cottage Grove Ave., Dayton, O.
- BUXBAUM, William (Associate-Member, 1917), Production Supt. Tool Dept., Winchester Repeating Arms Co., and *for mail*, 40 Hubinger St., New Haven, Conn.
- *BUYERS, Archie S. (Junior, 1912), 1st Lieut. C. A. C., U. S. A., care of Adjutant Genl., U. S. A., Washington, D. C., and *for mail*, Fort Mills, Corregidor Island, P. I.
- BYANSKAS, John M. (Junior, 1917), 26 Francis Ave., Quincy, Mass.
- *BYLLESBY, H. M. (1882), Maj., U. S. R., Signal Corps Headquarters, Pres., H. M. Byllesby & Co., 208 S. La Salle St., and 4358 Drexel Blvd., Chicago, Ill.
- *BYRON, Lerov T. (Junior, 1916), Ch. Petty Officer, U. S. N. R. F., Brooklyn Navy Yard, and *for mail*, 131 Oak St., Brooklyn, N. Y.
- CABLE, Davis A. (Associate-Member, 1916), Genl. Supt., U. S. Roofing Tile Co., East Sparta, and 303 Masonic Bldg., Lima, Allen Co., O.
- CABOT, Walter K. (Associate-Member, 1917), Asst. Mgr., M. E., Wm. Underwood Co., 52 Fulton St., Boston, and 10 Acorn St., Belmont, Mass.
- CADE, Charles W. (1914), Mgr., McKinney Mfg. Co., Pittsburgh, and *for mail*, 400 Dawson Ave., Bellevue, Pa.
- CADWALLADER, Harry, Jr. (1913), Efficiency Engr., 1413 Somerset St., Philadelphia, Pa.
- CADY, Ceylon R. (1914), Mgr. Wheel Dept., The Clark Equip. Co., Buchanan, Mich.
- CADY, Harrison R. (Junior, 1916), M. E., Bureau of Water, 795 City Hall, and *for mail*, 4239 Regent St., Philadelphia, Pa.
- *CAHILL, Edward H. (Associate-Member, 1914), 1st Lieut., F. A. Sec., Carriage Div., O. R. C., 1800 E. St., Washington, D. C., and 406 Raleigh Ave., Norfolk, Va.
- CAINE, Wm. P. (1899; Associate, 1904), Steam Engr. Enslev Wks., Tenn. Coal, Iron & R. R. Co., and *for mail*, P. O. Box 27, Ensley, Ala.
- CAIRNS, William (1911), Mgr., Detroit Pressed Steel Co., 1800 Mt. Elliott Ave., and 204 Longfellow Ave., Detroit, Mich.
- CAJANDER, Sven Gottfrid (1913), Supt. of Shops, Braden Copper Co., Rancagua, Chile, S. A.
- CALDER, C. B. (1895), V. P., Genl. Mgr., The Toledo Shipbuilding Co., and 623 W. Bancroft St., Toledo, O.
- CALDER, John (1903), Cons. Engr., 25 Merriam St., Lexington, Mass.
- CALDERWOOD, James P. (Junior, 1913), Engrg. and Inspec. Div., The Travelers Ins. Co., and 277 Weathersfield Ave., Hartford, Conn.
- CALDWELL, G. G. (Associate, 1916), Supt. Constr., H. M. Byllesby & Co., Chicago, Ill., and *for mail*, Box 124, Ottumwa, Ia.
- CALDWELL, James H. (1912), Pres., Gen. Mgr., Engr., The Ludlow Valve Mfg. Co., Troy, N. Y.
- CALKINS, Marcus E. (1914), Genl. Mgr., Rock Salt Corp., Ithaca, N. Y.
- CALLAN, William H. (1913), Mgr. Compressor Plant, Chicago Pneu. Tool Co., and *for mail*, 24 Tenth St., Franklin, Pa.
- CAMERON, Barton H. (1903), Pres. Cameron Stove Co., Box 635, Richmond, and *for mail*, Gordonsville, Va.
- CAMERON, James S. (Associate-Member, 1916), Supt. Plant, No. Elec. Co., Ltd., 121 Shearer St., and 34, Vendome Ave., Notre Dame de Grace, Montreal, Que., Canada.
- CAMERON, N. C. (1917), Ch. Engr., Imperial Tobacco Co. of Canada, Ltd., 900 St. Antoine St., Montreal, Que., and *for mail*, 4172 Dorchester St., Westmount, Que., Canada.

- CAMP, Eugene V. (Associate-Member, 1917), Cons. Engr., Box 421 Atlanta, Ga., and *for mail*, Box 436, Panama City, Fla.
- CAMP, William E. (Junior, 1915), Scientific Management Engr. Yost Typewriter Wks., Remington Typewriter Co., Bridgeport, and *for mail*, 2580 Main St., Stratford, Conn.
- CAMPBELL, Andrew C. (1885; 1889), Pres., Mgr., Andrew C. Campbell, Inc., 42 State St., and *for mail*, 186 Hillside Ave., Waterbury, Conn.
- CAMPBELL, Donald (1914), Pat. Lawyer, Rogers, Kennedy & Campbell, 45 Broadway, New York, N. Y.
- *CAMPBELL, Edmund D. (1916), Capt. E. O. R. C., Sea Coast Sec., Carriage Div., and 1743 P. St., Washington, D. C.
- CAMPBELL, Gordon (1891; 1914), Pres., and Genl. Mgr., York Rys. Co., 27 W. Market St., and R. F. D. 9, York, Pa.
- CAMPBELL, Gordon M. (1906), Wks. Mgr., Kerr Turbine Co., and 35 Highland Ave., Wellsville, N. Y.
- CAMPBELL, James A. (1915; 1917), Mech. Supt., Renfrew Mfg. Co., Columbia St., and 31 Summer St., Adams, Mass.
- *CAMPBELL, Jeremiah (Associate, 1896), Maj. Engrs., U. S. R. C., Amer. Exped. Force, France, and Ipswich, Mass.
- CAMPBELL, Norman St. G. (1917), Registrar, Kingsley Sch., Essex Fells, N. J.
- CAMPBELL, Thomas D. (1914), Pres., Thomas D. Campbell & Co., Washington Bldg., Los Angeles, Cal.
- CAMPION, Norman G. (1914), Genl. Mgr., Calamba Sugar Estates, Canfubang, Laguna Province, P. I.
- CANADY, J. F. (1913), Pres., Blaisdell-Canady Co., 90 West St., New York, and 138 Joralemon St., Brooklyn, N. Y.
- CANBY, Harry B. (1904; 1917), V. P., Crawford, McGregor & Canby Co., and *for mail*, 130 Belmont Ave., Dayton, O.
- CAPEN, Fredrick B. (Junior, 1917), Eff. Engr., The Texas Co., Port Arthur Tex.
- CAPEN, Thomas W. (1883), 748 Ogden Ave., Benton Harbor, Mich.
- CAPP, John A. (1901), Ch. of Test. Lab., Genl. Elec. Co., and *for mail*, 62 Bedford Rd., Schenectady, N. Y.
- CARACRISTI, V. Z. (1904; 1907), Cons. Engr., 30 Church St., New York, and *for mail*, Pondfield Court, Bronxville, N. Y.
- CARBO, L. A. (Junior, 1909), Ch. Engr., Municipality Guayaquil, P. O. Box 15, and 419 Bolivar St., Guayaquil, Ecuador, S. A.
- CARBONE, Mario G. (Associate-Member, 1916), Mgr., Italian-Swiss Colony, 721 Washington St., New York, and 4702 Ft. Hamilton Parkway, Brooklyn, N. Y.
- CARD, Frederic M. (1906), 116 Edna Ave., Bridgeport, Conn.
- CARDULLO, Forrest E. (1910), Engr. of Tests, Curtiss Aeroplane & Motor Corp'n, and *for mail*, 759 Amherst St., Buffalo, N. Y.
- CAREW, Clement J. (1902), Supt., Skinner Eng. Co., and 1011 W. 8th St., Erie, Pa.
- CAREY, Herbert W. (1910; Associate-Member, 1917), Supt., The Stand. Elec. Time Co., 89 Logan Ave., and *for mail*, 26 Monmouth St., Springfield, Mass.
- CAREY, Thomas H. (Associate-Member, 1915), Supt. Engrg. and Inspe. Dept., Globe Indemnity Co., 45 William St., New York, N. Y.
- CARGILL, Walter N. (1912), Mgr., The Lumsden & Van Stone Co., 426 First St., S. Boston, and *for mail*, 180 Pleasant St., Arlington, Mass.
- CARHART, Alfred B. (1907), Wks. Mgr., Crosby Steam Gate & Valve Co., Boston, and *for mail*, 10 Roland St., Charlestown, Mass.
- CARHART, Herbert A. (1912), Pres., Smith Premier Wks., Smith Premier Typewriter Co., and *for mail*, 414 Douglas St., Syracuse, N. Y.

- CARIS, I. B. (1912), M. E., Office, Semet-Solvay Co., and *for mail*, 1148 Bellevue Ave., Syracuse, N. Y.
- CARISS, Carington C. (Junior, 1911), Estimating Engr., Supt. Shell Dept., Watrous Eng. Wks. Co., Ltd., and *for mail*, 35 Richmond St., Brantford, Ont., Canada.
- CARLE, Nathaniel A. (1907), Ch. Engr., Pub. Serv. Elec. Co., Pub Serv. Terminal, and 392 Ridge St., Newark, N. J.
- CARLETON, Robert A. (1913), Pres., Carleton-Mace Engrg. Corp., 38 Chardon St., Boston, and 14 Hobart St., Brighton, Mass.
- CARLSON, Adolph G. (1917), Ch. Engr., Universal Portland Cement Co., 210 S. La Salle St., and *for mail*, 7207 Paxton Ave., Chicago, Ill.
- CARLSON, Carl T. (Associate-Member, 1915), Ch. Engr., Springfield Boiler & Mfg. Co., and *for mail*, 405 S. 4th St., Springfield, Ill.
- CARLSON, Charles A. (Associate-Member, 1914), Genl. Draftsman, Deere & Co., and *for mail*, 1532 11th Ave., Moline, Ill.
- CARLSON, Clarence A. (Junior, 1917), M. E., Universal Valve Co., Burlington, Wis., and *for mail*, 1453 76th St., Brooklyn, N. Y.
- CARLSON, John A. (Associate-Member, 1916), Efficiency Engr., Agnegatau 3, Stockholm, Sweden.
- CARLSON, Walter W. (1914), Prof. of Shop Practice, Kan. State Agri. College, and *for mail*, 1130 Bluemont Ave., Manhattan, Kan.
- CARLSSON, Carl A. V. (1905), Ord. Engr., Navy Dept., Ord. Office, Navy Yd., Washington, D. C., and *for mail*, Lanham, Md.
- CARLTON, Willard G. (1906), Supt. of Power, Elec. Div., N. Y. C. & H. R. R. R., Grand Central Sta., New York, N. Y.
- CARLYLE, Arthur R. (1913), Surveyor Am. Bureau of Shipping, Am. Lloyds, Designing Marine Engr., Union Oil Co. of Cal., 1311 Union Oil Bldg., and 1242 Crown Hill Ave., Los Angeles, Cal.
- CARMAN, Edwin S. (1917), Secy., Ch. Engr., The Osborn Mfg. Co., 5401 Hamilton Ave., and 2000 Stanwood Rd., Cleveland, O.
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- CARNEGIE, James (Associate-Member, 1917), Asst. to Ch. Engr., Union Elec. Light & Power Co., 315 N. 12th St., St. Louis, and 7505 Teasdale Ave., University City, also Clayton P. O., Mo.
- CARNEY, Edward B. (Associate-Member, 1917), M. E., 14 E. 46th St., Bayonne, N. J.
- CARNEY, Joseph F. (1915), Mech. Supt., Greeley Sq. Hotel Co., Hotel McAlpin, and 726 Beck St., New York, N. Y.
- *CAROTHERS, Charles G. (1917), Capt. Co. 1, E. O. R. C., Am. Univ., Washington, D. C., and 2308 Colfax Ave., Evanston, Ill.
- CARPENDER, Sydney B. (1916), V. P., Genl. Mgr., Brunswick Refrig. Co., and Lindenwood, New Brunswick, N. J.
- CARPENTER, Allan O. (Associate, 1909), Designing Dept., Ingersoll-Rand Co., Painted Post, and *for mail*, 12 E. 3d St., Corning, N. Y.
- *CARPENTER, Charles A. (Junior, 1912), 1st Lieut., Ord. Sec., O. R. C., U. S. A.; Ch. Engr., Quasi-Arc Weldtrode Co., 109 Lafayette St., New York, and 582 St. Mark's Ave., Brooklyn, N. Y.
- CARPENTER, Charles I. (Junior, 1912), Supt. Bldgs. and Grounds, Sch. Dist. 81, Administration Bldg., Spokane, Wash.
- CARPENTER, Charles U. (1907), Wks. Mgr., Recording & Computing Mchs. Co., and *for mail*, 17 Rotterman Apts., Dayton, O.
- CARPENTER, Frederick S. (Junior, 1916), Engr., U. S. Rubber Co., 1790 Broadway, and 296 Central Park West, New York, N. Y.
- CARPENTER, Harold (1908), Res. Engr., Astoria Tunnel, Astoria Light, Heat & Power Co., E. 132d St. and Locust Ave., and *for mail*, 938 St. Nicholas Ave., New York, N. Y.

- CARPENTER, Henry A. (1893; 1899), R. F. D. 3, Sewickley, Pa.
- CARPENTER, Horace (1912), M. E., 5759 Dorchester Ave., Chicago, Ill.
- CARPENTER, Hubert V. (1917), Dean, College of Mech. Arts & Engrg., State College of Washington, and *for mail*, 300 Oak St., Pullman, Washington.
- CARPENTER, James M. (1907), Pres., Treas., Genl. Mgr., J. M. Carpenter Tap & Die Co., 17 Newell Ave., and 199 West Ave., Pawtucket, R. I.
- CARPENTER, Ralph E. (Associate, 1913), Sales Mgr., The Taft-Pierce Mfg. Co., and 217 Woodland Rd., Woonsocket, R. I.
- CARPENTER, Randle C. (1912), Prof. M. E., Supt. Power Plant, Miss. Agri. and Mech. College, Agricultural College, Miss.
- CARPENTER, Raymond (1911), M. E., W. D. Barstow & Co., Inc., 50 Pine St., New York, N. Y., and *for mail*, 242 Springdale Ave., East Orange, N. J.
- CARPENTER, Rolla C. (1883), Vice-President, 1908-1910; Cons. M. E., Emeritus Prof., Cornell Univ., and 125 Eddy St., Ithaca, N. Y., and Carpenter & Carpenter, Denver, Col.
- CARR, Edward W., Jr. (Associate, 1916), Pres., E. W. Carr, Inc., 425 Gravier St., and 6322 Cromwell Pl., New Orleans, La.
- CARR, Jesse D. (1910), Factory Supt., The Am. Cement Products Co., 3248 Long Beach Ave., and *for mail*, 2506 W. 8th St., Los Angeles, Cal.
- CARRIER, Willis H. (1905; 1912), Pres., Carrier Engrg. Corp'n, Mutual Life Bldg., and *for mail*, 1350 Amherst St., Buffalo, N. Y.
- CARROLL, Alexander W. (1905), Genl. Foreman, Raritan Copper Wks., Perth Amboy, and *for mail*, 524 Westminster Ave., Elizabeth, N. J.
- CARROLL, Elbert H. (1900), Supt., Morgan Constr. Co., 21 Lincoln St., and *for mail*, 3 Rutland Terrace, Worcester, Mass.
- CARROLL, John T. (1913), Asst. Genl. Supt. M. P., Baltimore & Ohio R. R., Genl. Office, Baltimore, Md.
- CARROLL, Lafayette D. (1888), Life Member; M. E., care of Humphreys & Glasgow, 38 Victoria St., London, S. W., England.
- CARROLL, M. B. (1911; 1917), Genl. Elec. Co., and 22 Atlantic St., Lynn, Mass.
- CARSE, David B. (1889), Cons. Engr., 71 Broadway, New York, and Park Hill-on-Hudson, N. Y.
- CARSE, John B. (1903), Mem. Advis. Com., U. S. Steel Corp., 71 Broadway, and Riverdale-on-Hudson, New York, N. Y.
- CARSON, Charles B. (Junior, 1914), M. E., Taylor Instrument Cos., 95 Ames St., and 125 Plymouth Ave., Rochester, N. Y.
- CARSON, Charles M. (1913), Industrial Mgr., Cadillac Motor Car Co., 1343 Cass Ave., and *for mail*, 172 Bethune Ave., W., Detroit, Mich.
- CARSON, Louis T. (1917), Asst. Ch. Engr., Great West. Sugar Co., 602 Sugar Bldg., and *for mail*, 2944 Federal Blvd., Denver, Colo.
- CARSON, Whitfield R. (1910), Engr., The Grasselli Chem. Co., 14th Floor, Guardian Bldg., Cleveland, and Wood St., South Euclid, O.
- CARSTENS, Alexander B. (1906), Mech. and Constr. Engr., Cia. de Minerales y Metales, S. A., P. O. Box, 251, and Apartado 137, Monterey, N. L., Mex.
- CARTER, Chester A. (Junior, 1916), Irrigation Engr., Carter Bros., Garden City, Kan.
- CARTER, Clifford R. (Associate-Member, 1917), Indus. Engr., Scovell, Wellington & Co., 110 State St., Boston, and *for mail*, 40 Bridge St., Newton, Mass.
- CARTER, Emmett B. (1912), Plant Engr., Midvale Steel Co., Philadelphia, and 7201 Greene St., Germantown, Philadelphia, Pa.
- CARTER, Harold T. (Junior, 1910), Engr., Water Works, Aish Bagh, Lucknow, India.

- CARTER, Harry D. (1914), Field Engr., Samuel M. Green Co., care of Warner-Klipstein Chem. Co., South Charleston, and 1210 Virginia St., Charleston, W. Va.
- CARTER, Henry W. (1892; 1903), Mech. Expt., 635 Monadnock Blk., and 6132 Winthrop Ave., Chicago, Ill.
- CARTER, Oscar S. (Associate-Member, 1917), Res. Engr., Conn. Light & Power Co., Lilly Bldg., and 452 Willow St., Waterbury, Conn.
- CARTER, Robert A., Jr. (1916), Asst. Engr. of Mfr., Consltd. Gas Co., 130 E. 15th St., New York, and 166 71st St., Brooklyn, N. Y.
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- CARTER, William C. (1917), Supt., Link-Belt Co., 39th St. and Stewart Ave., and *for mail*, 5429 Ingleside Ave., Chicago, Ill.
- *CARTER, William D. (1916), Capt., O. O. R. C., and 628 North 1st Street, San Jose, Calif.
- CARTY, Roy F. (Junior, 1912), M. E., Loco. Boiler Inspec., Div., Interstate Commerce Com., and 1315 Emerson St., N. W., Washington, D. C.
- CARVER, Edgar M. (Junior, 1915), Resident Rep., Dodge Sales & Engrg. Co., 1512 Merchants Bank Bldg., Indianapolis and Greencastle, Ind.
- CARVER, Fred S. (Associate-Member, 1916), M. E., 207 Market St., Newark, and 11 Hawthorne Pl., East Orange, N. J.
- CARY, Albert A. (1889), Cons. M. E., 95 Liberty St., New York, N. Y.
- CARY, Arthur F. (1916), M. E., Stanley Motor Carriage Co., Newton, and *for mail*, 18 Hill St., Watertown, Mass.
- CARY, James W. (Junior, 1915), Patrolman's Helper, Pac. Light & Power Corp'n, Route A. Box 137, Visalia, Cal.
- CASE, Albert H. (1903; 1916), Cons. Engr., Tennessee Copper Co., Rm. 1824, 61 Broadway, New York, N. Y., and 602 E. Dudley Ave., Westfield, N. J.
- CASE, G. Harry (1911), Ch. Engr., Southwark Fdy. & Mach. Co., Philadelphia, and *for mail*, 82 E. Greenwood Ave., Lansdowne, Pa.
- CASE, George S. (1917), Factory Mgr., The Lamson & Sessions Co., 2188 Scranton Rd., Cleveland, O.
- *CASE, Milo M. (1909; 1916), Capt., E. O. R. C., M. E., 116 S. Michigan Ave., and 6347 Greenwood Ave., Chicago, Ill.
- CASE, Willard L. (1915), Cons. Engr., Willard Case & Co., 17 Battery Pl., New York, N. Y., and 1121 Putnam Ave., Plainfield, N. J.
- CASH, Arthur W. (1899), Pres., A. W. Cash Co., 250 E. Wood St., Decatur, Ill.
- CASHEN, Henry C. (Associate, 1917), M. M., The Bradley & Hubbard Mfg. Co., and *for mail*, 31, N. 3rd St., Meriden, Conn.
- CASLER, Frank W. (1913), Genl. Supt. of Production, Pub. Serv. Elec. Co., 759 Broad St., Newark, and 456 Summit Ave., South Orange, N. J.
- CASLER, Herman (Junior, 1901), Treas., Marvin & Casler Co., Canastota, N. Y.
- CASPARIS, Kenneth E. (Associate-Member, 1914), Trap Rock Co., Dres-ser Junction, Polk Co., Wis.
- CASSIDY, Andrew G. (1911), M. M., Waltham Watch Co., Waltham, Mass.
- *CASSIDY, Perry R. (Junior, 1913), Capt. C. A. O. R. C., Box 145, Fort Monroe, Va.
- CASTANEDO, Walter (1907; 1909), Dist. Mgr., Power Plant Equip., 1103 Hennen Bldg., and *for mail*, 1312 Third St., New Orleans, La.
- CASTLE, John S. P. (Junior, 1899), Ch. Engr., Benedict and Burham Branch, Am. Brass Co., Waterbury, Conn.
- CASTLE, S. N. (1909; 1911), Engr., Genl. Elec. Co., 120 Broadway, New York, and Davenport Neck, New Rochelle, N. Y.

- CATHCART, William L. (1899), Cons. Engr., 636 Westview Ave., Germantown, Philadelphia, Pa.
- CATHER, William A. (Junior, 1916), Sales Engr., Worthington Pump & Mch'y. Corp., 115 Broadway, New York, N. Y., and 751 Kearny Ave., Arlington, N. J.
- CATLAND, Raymond O. (Junior, 1914), Ch. Draftsman, Lawrance Aero-Eng. Corp'n, 116 W. 39th St., New York, N. Y., and 21 Park St., Jersey City, N. J.
- CATLIN, Abel D. (1906; 1907), V. P., Wks. Mgr., The Wheland Co., and *for mail*, 612 Vance Ave., Chattanooga, Tenn.
- CATTERMOLE, Lester G. (Junior, 1917), Sr. Engr., Cooley & Marvin Co., 1410 Conway Bldg., Chicago, Ill., and 355 W. 57th St., Los Angeles, Cal.
- CAUGHELL, Jewel N. (Associate-Member, 1915), Asst. to M. E., Consumer's Power Co., Washington Ave. Sta., Saginaw, Mich.
- CAUTLEY, John R. (1917), Rep., Wright-Martin Aircraft Corp'n, and *for mail*, 1025 Vermont Ave., N. W., Washington, D. C.
- CAVE, Henry (1917), Dir. Tech. Research, Davis-Bournonville Co., Jersey City, and 219 Westfield Ave., Elizabeth, N. J.
- CAVE, John R. (1913), Fuel Engr., Bd. of Education, 500 Park Ave., New York, and *for mail*, Bayside Blvd., and 5th St., Bayside, N. Y.
- CAVIN, Gustave (1916), Ch. M. E., Canadian Loco. Co., Ltd., and 251 Johnston St., Kingston, Ont., Canada.
- de CAZENOVE, Louis A., Jr. (1905; 1911), Cons. Engr. for Del. Trust Bldg., 10th and Market St., and *for mail*, 1616 Franklin St., Wilmington, Del.
- CENTER, Irving E. (Junior, 1916), Asst. Engr., Gen'l. Elec. Co., River Wks. Bldg., 64, West Lynn, and *for mail*, 65 Ingalls St., Lynn, Mass.
- CHACE, Ernest M. (1915), Industrial Engr., 818 Union Central Bldg., Cincinnati, and 5732 Belmont Ave., College Hill, Cincinnati, O.
- CHACE, Howard P. (Junior, 1915), M. M., Norton-Grinding Co., New Bond St., and *for mail*, 76 Birch St., Worcester, Mass.
- CHACE, William W. (1908), M. E., Cleveland Twist Drill Co., 1242 E. 49th St., and *for mail*, Amesbury Apt., 18,103 Canterbury Rd., Cleveland, O.
- CHADWICK, George A. (1916), Leading Ordnance Draftsman, U. S. Naval Gun Factory, Washington Navy Yard, Washington, D. C., and *for mail*, Washington Grove, Md.
- CHADWICK, Lee S. (1899; 1909), Asst. Genl. Mgr. and Ch. Engr., Cleveland Metal Products Co., 7609 Platt Ave., Cleveland, and *for mail*, 1852 Hastings Ave., East Cleveland, O.
- CHALKLEY, Curtis R. (Junior, 1916), Engrg. Dept., The Am. Tool Wks. Co., Pearl and Eggleston Ave., and *for mail*, 911 Rogers Pl., Cincinnati, O.
- CHALKLEY, Henry G. (1908), Mgr., Engr., North Am. Land & Timber Co., and 920 Kirby St., Lake Charles, La.
- CHALMERS, John B. (Junior, 1911), Dir., Apprentice Training Sch., Yale & Towne Mfg. Co., and *for mail*, 48 Quintard Terrace, Stamford, Conn.
- CHAMBERLAIN, A. B. (1911), Engr. Steam Div., Sta. Engrg. Dept., Constr. Bureau, The Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, and *for mail*, 66 S. Central Ave., Wollaston, Mass.
- CHAMBERLAIN, Frederick H. (1916), V. P., The Calco Chem. Co., Bound Brook, and 1060 Hillside Ave., Plainfield, N. J.
- CHAMBERLAIN, George E. (1907), Managing Dir. Consolidated Mfrs. Corp'n, 2nd Natl. Bank Bldg., and *for mail*, 2044 Maplewood Ave., Toledo, O.

- *CHAMBERLAIN, Paul M. (1890; 1899), Maj., Ord. Sec., O. R. C., Cons. Engr., 1719 Marquette Bldg., and *for mail*, 427 Diversey Parkway, Chicago, Ill.
- CHAMBERLAIN, William F. (Associate, 1907), Supt. Group Div., The Travelers Ins. Co., Hartford, Conn.
- CHAMBERLAIN, William T. (1917), Designing Engr., Stand. Aniline Products, Inc., Wappingers Falls, and *for mail*, 41 W. 12th St., New York, N. Y.
- CHAMBERS, Albert N. (1915), Owner, Walker & Chambers, 222 E. 41st St., New York, and 48 Beach Ave., Larchmont, N. Y.
- CHAMBERS, Charles E. (1913), Supt. M. P., Central R. R. of N. J., Jersey City, and *for mail*, 135 Fourth Ave., E., Roselle, N. J.
- CHAMBERS, Norman C. (1905; 1914), Niles-Bement-Pond Co., 111 Broadway, New York, N. Y., and *for mail*, care of S. G. Martin & Co. Ltd., Gogol St., 21 Petrograd, Russia.
- CHAMP, Joseph H. (1917), Pres., Iceless Mch. Co., Treas., The Bishop-Babcock-Becker Co., 49th and Hamilton Ave., and *for mail*, 14298 Superior Rd., Cleveland, O.
- CHAMPION, Albert (Associate, 1915), Pres., Genl. Mgr., Champion Ignition Co., and 909 Detroit St., Flint, Mich.
- CHAMPION, David J. (1917), Pres., Champion Rivet Co., Harvard Ave. and 108th St., and 2490 Coventry Rd., Cleveland, Ohio.
- CHAMPION, Harry W. (1904), Pres., Newton Mch. Tool Wks., Inc., 23rd and Vine St., and *for mail*, 4520 Spruce St., Philadelphia, Pa.
- CHAMPNEY, Ralph P. (Associate-Member, 1917), Ch. Engr., Engrg. & Exper. Labs., The Graton & Knight Mfg. Co., 356 Franklin St., and *for mail*, 32 Shaffner St., Worcester, Mass.
- CHANCE, Thomas M. (Junior, 1912), Min. Engr., H. M. Chance & Co., 835 Drexel Bldg., and 4616 Walnut St., Philadelphia, Pa.
- CHANDLER, Clarence A. (1900), 31 State St., Boston, and East Bridge-water, Mass.
- CHANDLER, Heman W. (Junior, 1917), Draftsman Maintenance Dept., Am. Loco. Co., Brooks, Wks., and *for mail*, 11 Roberts Rd., Dunkirk, N. Y.
- CHANDLER, Howard M. (1913), M. E., Honolulu Iron Wks. Co., 233 Broadway, and *for mail*, 210 W. 14th St., New York, N. Y.
- CHANDLER, Howard T. (1912), Asst. Supt., Walter Baker & Co., Ltd., Milton, and *for mail*, 20 Blue Hill Ave., Mattapan, Mass.
- CHANDLER, Richard E. (1911), Prof. M. E. Univ. of Fla., Gainesville, Fla.
- CHAPIN, Harry A. (Junior, 1916), Draughtsman, Sperry Gyroscope Co., 36 Flatbush Ave., and *for mail*, 436 Putnam Ave., Brooklyn, N. Y.
- *CHAPIN, Warren W. (1917), Capt. Engrs., U. S. R., Struc. Engr., Carrière & Hastings, 52 Vanderbilt Ave., New York, N. Y., and *for mail*, 40 Upper Mountain Ave., Montclair, N. J.
- CHAPMAN, Albert P. (Associate-Member, 1917), Supt. Power and Repairs, Ludlow Mfg. Associates, and *for mail*, 1 Hubbard St., Ludlow, Mass.
- CHAPMAN, Cloyd M. (1910), Engr. of Tests, Westinghouse Church Kerr & Co., 37 Wall St., New York, and Douglaston, L. I., N. Y.
- CHAPMAN, David A. (1908; Associate, 1912), Asst. to Pres., Touraine Confectionery Co., The Dangel Co., 251 Causeway St., Boston, and *for mail*, 163 Grover Ave., Winthrop, Mass.
- *CHAPMAN, Edmund E. (Associate-Member, 1917), Capt. Ord. Dept., U. S. R., Remington Arms U. M. C. Co., and *for mail*, 43 Centre St., Iliion, N. Y.
- CHAPMAN, Frank T. (1909), East. Mgr. Vento Dept., Am. Radiator Co., Rm. 603-4 104 W. 42d St., New York, N. Y., and 33 Melrose Pl., Montclair, N. J.

- CHAPMAN, George (1912), Draftsman, Nairn Linoleum Co., Kearny, and *for mail*, 446 Belgrove Drive, Arlington, N.J.
- CHAPMAN, Harry B. (1910), Mgr., Chapman Engrg. Co., Texas City, Tex.
- CHAPMAN, Robert E. L. (Associate-Member, 1915), Supt. Bldgs., Pur. Agt., Armory Eliot Trustee, 131 State St., Boston, and 46 Monadnock St., Dorchester, Mass.
- CHAPMAN, William B. (1915), Pres., Chapman Engrg. Co., 11 Broadway, and City Club, New York, N. Y.
- CHARAVAY, Marius A. (Junior, 1908), Asst. Prof. M. E. Stevens Inst. of Tech., Hoboken and 283 Palisade Ave., Jersey City, N. J.
- CHARLES, Alfred W. (Associate, 1909), Asst. Ch. Engr., C. V. Nordberg Mch. Co., 309-311 Daly Bank Bldg., and 712½ W. Galena St., Butte, Mont.
- CHARLES, La Vern J. (1915), Asst. State Highway Engr., Santa Fe, New Mex., and 566 High St., Denver, Colo.
- CHARLTON, Richard C. (1916), M. E., Henry Disston & Sons, Inc., Tacony, and *for mail*, 5017 Griscom St., Frankford, Philadelphia, Pa.
- CHARTER, James A. (1899), Cons. and Designing Engr., 1438 E. 65th St., Chicago, Ill.
- CHASE, Charles H. (1902), Prof. Steam Engrg., Engrg. Sch. Tufts College, Tufts College Sta., and 39 Lincoln St., Stoneham, Mass.
- CHASE, Frederick S. (1914), Treas., Chase Metal Wks., and *for mail*, 165 Grove St., Waterbury, Conn.
- CHASE, Henry A. (Associate-Member, 1917), Supt. Cummings, Mch. Wks., 110 High St., Boston, and 27 Alleghany St., Roxbury, Mass.
- CHASE, Henry M. (1906), M.E. Dean Wks., Worthington Pump & Mch. Corp'n. and *for mail*, 463 Appleton St., Holyoke, Mass.
- CHASE, Nathaniel S. (Associate-Member, 1917), Ch. Draftsman, Wm. T. Henry, C.E. & M.E., 26 Borden Block, and 583 Centre St., Fall River, Mass.
- CHASTENEY, Charles D. (Junior, 1904), Asst. Mgr., M. E., Louis Dejonge Co., and *for mail*, 170 Prichard St., Fitchburg, Mass.
- CHATARD, Wm. M. (1903; 1909), Mem. of Firm, Chatard & Norris, 304 Continental Bldg., Baltimore, and Green Spring Ave., Mt. Washington, Md.
- CHATILLON, Ralph F. (1916), V. P., John Chatillon & Sons, 89 Cliff St., New York, N. Y.
- CHEETHAM, Joseph H. (1913; Associate-Member, 1917), Ch. M.E. McNab & Harlin Mfg. Co., Paterson, and *for mail*, 128 Union Ave., Clifton, N. J.
- CHEEVER, Markham (1910), Ch. Engr., Utah Power & Light Co., and 1156 First Ave., Salt Lake City, Utah.
- CHENEY, Frank, Jr. (1915), Pres., Cheney Bros., South Manchester, Conn.
- CHENEY, H. W. (1897; 1905), Engr. Elec. Dept., Allis-Chalmers Mfg. Co., and *for mail*, 284 31st St., Milwaukee, Wis.
- CHENEY, Nathan (1906), Engr., Stone & Webster Engrg. Corp., 147 Milk St., Boston, and 242 Payson Rd., Belmont, Mass.
- CHENEY, Walter L. (1883), Sales Mgr., Lucas Mch. Tool Co., Cleveland, O.
- CHERRY, John D. (Associate, 1917), Sales Mgr., The Roto Co., Box 1043, and *for mail*, 163 N. Whitney St., Hartford, Conn.
- CHESNUTT, Ralph C. (Junior, 1915), Designer, Willys-Overland Co., and *for mail*, 332 Richardson Drive, Toledo, O.
- CHESS, Harvey B., Jr. (1909; Associate-Member, 1914) Pres., Treas., Consldt. Expanded Metal Cos., Braddock, and 2030 Beechwood Blvd., Pittsburgh, Pa.

- CHESTER, John N. (1905), Chester & Fleming, Union Bank Bldg., Pittsburgh, Pa.
- CHESTER, Thomas (1915), Spec. Rep. handling Navy Business, Am. Blower Co., 141 Broadway, New York, and 640 2nd St., Brooklyn, N. Y.
- CHEVALIER, La Rue B. (1914), Supt., United Iron Wks. Co., and 801 East St., Iola, Kan.
- *CHEW, John J., 2d (Junior, 1916) Ensign, U. S. N. R. F., 1912 H. St., Washington, D. C.
- CHEYNEY, Algernon R. (1912), Elec. Expt. Aide Bureau of Steam Engrg., U. S. N., Washington, D. C.
- CHIFFELLE, Francis A. (1917), Engr., Lewiston Bleachery & Dye Wks., and *for mail*, 377 College St., Lewiston, Me.
- CHILD, Ernest T. (1903), Pres., Child & Scott Co., 112 Wooster St., New York, N. Y., and *for mail*, 70 Mt. Pleasant Ave., West Orange N. J.
- CHIL, Stanley G. (1912), Asst. Supt. Baldwin Loco. Wks., 500 N. Broad St., Philadelphia, and 411 Scott Ave., Glenolden, Pa.
- CHILDS, Harold P. (Junior, 1903), Spec. Rep., Westinghouse Mch. Co., 165 Broadway, New York, N. Y., and 149 Center St., Orange, N. J.
- CHILDS, John N. (Associate-Member, 1914), 2500 S. Garnett St., Philadelphia, Pa.
- CHISHOLM, John J. (Associate, 1904), Supt. of Power, New Orleans Ry. & Light Co., 201-209 Baronne St., and 1907 Prytania St., New Orleans, La.
- CHOATE, William E. (1912), Genl. Mgr., The Advance Mch. Co., 21 Bromfield St., Boston, and Asbury St., South Hamilton, Mass.
- CHORLTON, Alan E. L. (1913), Engrg. Mgr., Ruston Proctor & Co., Ltd., Sheaf Iron Wks., and "The Cottage," Shallowbeck, Lincoln, England.
- *CHRISTEN, Armand B. (Junior, 1913), 1st Lieut. Signal Corps, Amer. Exped. Force, France, and 601 W. 144th St., New York, N. Y.
- CHRISTENSEN, Chas. C. (1890), Estimating Engr. Min. Dept., Allis-Chalmers Mfg. Co., Milwaukee, Wis., and *for mail*, 2944 Logan Blvd., Chicago, Ill.
- CHRISTENSEN, James C. (Associate-Member, 1917), Supt., Rockwood Mfg. Co., 1801 English Ave., and *for mail*, 3849 N. Capitol Ave., Indianapolis, Ind.
- CHRISTIANSON, Andrew (1907), Ch. Engr., Stand. Steel Car Co., and 198 W. Pearl St., Butler, Pa.
- *CHRISTIE, Alexander G. (1907; 1916), R. O. T. C., Assoc. Prof. M. E., Johns Hopkins Univ., Baltimore, Md.
- CHRISTIE, E. W. (1890), Ch. Engr., Wheeler Condenser & Engrg. Co., Carteret, and *for mail*, P. O. Box 74, Sewaren, N. J.
- CHRISTIE, William W. (1889), Cons. Engr., Architect, 140 Market St., and *for mail*, 527 14th Ave., Paterson, N. J.
- CHRYST, William A. (1917), Ch. Engr., Dayton Engrg. Labs. Co., and *for mail*, R. D. No. 2, Dayton, O.
- CHUCAN, John (Associate-Member, 1917), Engr. Tractor Wks., Intl. Harvester Corp'n, 2600 W. 31st Blvd., and *for mail*, P. O. Box 112, Chicago, Ill.
- CHURCH, Arthur L. (1917), Asst. to Pres., The Baldwin Loco. Wks., 500 N. Broad St., and 2317 DeLancy St., Philadelphia, Pa.
- CHURCH, Austin (Junior, 1895), Pres., Church Land Co., Sibley, Mich.
- CHURCH, Edwin F., Jr. (1912), Prof. Mch. Design, W. Va., Univ., and 336 Park St., Morgantown, W. Va.
- *CHURCH, Elihu C. (1908; 1913), Capt. E. O. R. C., Adj. 117th Engr. Reg't., 42nd Div., Cons. Engr., 4 E. 130th St., New York, N. Y.

- *CHURCH, F. O. (Junior, 1917), First Lieut., Co. B, 26th Engrs., Am. Exped. Forces, France.
- CHURCH, H. D. (1913), Ch. Engr., Truck Div., Packard Motor Car Co., and 165 Burlingame Ave., Detroit, Mich.
- CHURCH, Maynard D. (1912), Ch. Engr., Terry Steam Turbine Co., and *for mail*, 475 Edgewood St., Hartford, Conn.
- CHURCH, William L. (1880), Pres., The Uni-Form Co., 10 High St., Boston, and *for mail*, 145 Warren St., Newton Center, Mass.
- CHURCHILL, Charles O. (1906), Salesman, Lackawanna Steel Co., 40 Central St., Boston, and *for mail*, 16 Woodside Terrace, Springfield, Mass.
- CHURCHILL, F. Loring (Junior, 1917), Exper. & Test. Dept., Fafnir Bearing Co., and 105 Black Rock Ave., New Britain, Conn.
- CHUTE, James P. (1912), Supt. Engr. Kerr Nav. Corp'n, 21 State St., New York, and *for mail*, 635 11th St., Brooklyn, N. Y.
- CHUTE, Stanley J. (Junior, 1915), Insp., Grand Central Terminal Serv. Plant, 112 E. 50th St., New York, and *for mail*, 1140 President St., Brooklyn, N. Y.
- CILLEY, Raymond (1915), Wks. Mgr., United Mch. Co., Westminster, Md.
- CLANCY, William C. (Junior, 1917), Sr. Insp., A. & A. E., S. S. L., c/o Nordy, H. C. & Marmon Co., Indianapolis, Ind., and 4530 Woodlawn Ave., Chicago, Ill.
- CLAPP, Geo. H. (1891), Pres., Pittsburgh Testing Lab., 7th and Bedford Aves., Pittsburgh, Edgeworth, Sewickley, Pa.
- CLAPP, Richard B. (1911; Associate-Member, 1917); Dist. Mgr., Andrews-Bradshaw Co., 846 Leader News Bldg., Cleveland, and 1285 Cook Ave., Lakewood, O.
- CLAPP, W. Howard (1914), Assoc. Prof. Mch. Design, Throop College of Tech., and 95 S. Mentor Ave., Pasadena, Cal.
- CLARK, Addison L. (1915), Supt., Fdvs., Am. Brake Shoe & Fdy. Co., Mahwah, and *for mail*, Allendale, N. J.
- CLARK, Albert B. (1916), Engr., care of Sarge nt & Lundy, Edison Bldg., and 6728 Clyde Ave., Chicago, Ill.
- CLARK, Albert J. (Junior, 1917), Westinghouse Church Kerr & Co., 37 Wall St., New York, N. Y.
- CLARK, David B. (1914), Supt. Am. Brake Shoe & Fdy. Co., Erie, Pa.
- CLARK, Earle A. (1916), Mgr. Gas Dept., Am. Pipe Line Co., and *for mail*, Box 367, Caney, Kan.
- CLARK, Edward H. (Junior, 1914), First Asst. Engr. Bldg. and Power Dept., Mass. Inst. of Tech., Boston, and *for mail*, 163 Woodside Ave., Winthrop, Mass.
- CLARK, Edward L. C. (1914), Wks. Mgr. Tractor Branch Moline Plow Co., Rock Island and *for mail* 1003 12th Ave., Moline, Ill.
- CLARK, Edward Lord (Associate, 1905), Mgr. Steam Sales Power Dept., Westinghouse Elec. & Mfg. Co., 10 High St., Boston, and 40 Griggs Rd., Brookline, Mass.
- CLARK, Ezra E. (1916), Fire Ins. Engr., Factory Mutual Fire Ins. Co., Rm. 510, 31 Milk St., Boston, and *for mail*, 150 Otis St., Newtonville, Mass.
- CLARK, Farley G. (1907), Ch. Engr., Toronto Power Co., Toronto Elec. Light Co., Toronto St. Ry. Co., and *for mail*, 12 Adelaide St., E. Toronto, Ont., Canada.
- CLARK, Frank C. (1913), Supt. Kenilworth Plant, Am. Can Co., Cranford, N. J.
- CLARK, Frank D. (1914), P. O. Box 567, Hicksville, L. I., N. Y.
- CLARK, Frank H. (1910), Genl. Supt. M. P., B. & O. R. R., B. & O. Bldg., Baltimore, and 17 Midvale Road, Roland Park, Baltimore, Md.

- CLARK, Frank S. (1909; 1912), M. E., Stone & Webster Engrg. Corp., 147 Milk St., Boston, and 483 Washington St., Brookline, Mass.
- CLARK, George A. (1916), M. E. Arnold Print Wks., and *for mail*, 20 E. Quincy St., North Adams, Mass.
- CLARK, Harold H. (Associate-Member, 1915), Local Mgr., Link-Belt Co., 161-163 N. Los Angeles St., Los Angeles, and 1130 Milan Ave., South Pasadena, Cal.
- CLARK, Herbert H. (1908), Mgr. Los Angeles Office, Chas. C. Moore & Co., Engrs., 424 Van Nuys Bldg., and 4325 Victoria Park, Los Angeles, Cal.
- CLARK, Howard B. (1910), Engr. Operation and Maintenance, Natl. Carbon Co., and *for mail*, 1520 Cohasset Ave., Cleveland, O.
- CLARK, James G. (Associate, 1917), Ch. Insp., Remington Arms Co., 156 Gem Ave., Bridgeport, Conn.
- *CLARK, John W. (Junior, 1916), 2nd Lieut., E. O. R. C., 1st Co., Fort Leavenworth, Kan., and 13 Front St., Schenectady, N. Y.
- CLARK, Lawrence A. (1914), Secy., Treas., Pontiac Leader Pub. Co., and *for mail*, 122 W. Reynolds St., Pontiac, Ill.
- CLARK, Myron H. (1913), Genl. Footwear Factory Mgr., U. S. Rubber Co., 1790 Broadway, New York, and Hastings-on-Hudson, N. Y.
- CLARK, Peter J. (Associate-Member, 1915), Draftsman, Fire Dept., Municipal Bldg., New York, and *for mail*, 155 Willoughby Ave., Brooklyn, N. Y.
- CLARK, Russell G. (Junior, 1917), Engrg. Draftsman, The Am. Thread Co., and *for mail*, 121 Bridge St., Willamantic, Conn.
- *CLARK, W. Chas. M. (1913), Lieut., U. S. N. R. F., and 1344 E. 85th St., Cleveland, O.
- CLARK, W. Van Alan (Junior, 1910), Engr. of Plants, Teco Products Corp'n, 1500 S. Sangamon St., West Pullman, Chicago, Ill.
- CLARK, Walter L. (1888), 165 Broadway, New York, N. Y., and Stockbridge, Mass.
- CLARK, Walter R. (1908; 1914), M. E., Bridgeport Brass Co., and *for mail*, 1875 Park Ave., Bridgeport, Conn.
- CLARK, Walton (1890), Second V. P., United Gas Improvement Co., Broad and Arch Sts., and Stenton and Abington Aves., Chestnut Hill, Philadelphia, Pa.
- CLARK, William F. (Junior, 1914), Htg. and Vent. Engr., B. F. Goodrich Co., and *for mail*, 359 Park St., Akron, O.
- CLARK, William T. (1914), Genl. Supt., Moline Plow Co., Moline, Ill., and 1521 Perry St., Davenport, Ia.
- CLARKE, Alfred (1886), Life Member; Walpole, N. H.
- CLARKE, Arthur F. (Associate, 1913), Priest, Page & Co., 145 Franklin St., Boston and *for mail*, 5 Douce St., Brookline, Mass.
- CLARKE, C. Edwin (Junior, 1912), Ch. Engr., Wilmington Steel Co., and *for mail*, 2005 Shallcross Ave., Wilmington, Del.
- CLARKE, Charles L. (1882), Cons. Engr., Genl. Elec. Co., and 109 Glenwood Blvd., Schenectady, N. Y.
- CLARKE, Charles W. E. (1907; 1913), M. E., Stone & Webster Engrg. Corp., 147 Milk St., Boston, and *for mail*, 193 Rawson Rd., Brookline, Mass.
- CLARKE, Edgar W. (1914), Ch. Engr., Cambria Steel Co., and *for mail*, 130 Tioga St., Johnstown, Pa.
- CLARKE, Leon L. (1912), M. and E. E. Waddell & Son, 934 Wyandotte St., Kansas City, Mo.
- CLARKE, Philip L. (Junior, 1907), Punta Alegre Sugar Co., Caibarien, Cuba, and 3017 Kansas Ave., Los Angeles, Cal.
- CLARKE, Samuel J. (1884), 309 W. 103d St., New York, N. Y.
- CLARKE, Walter J. (1914), Phila. Mgr., L. Sonneborn Sons, Inc., 421 Lafayette Bldg., and 1250 S. 45th St., Philadelphia, Pa.

- CLARKSON, Ralph P. (Associate-Member, 1915), Safety Serv. Corp'n, 29 Broadway, New York, N. Y.
- *CLARKSON, Robert C., Jr. (Junior, 1917), A. M. E., Signal Corps, U. S. A., 2224 N. 51st St., Philadelphia, Pa.
- CLASSEN, Edward H. (Junior, 1912), Partner, Classen & Latham, Media, Pa.
- *CLAUSSEN, Howard P. (Junior, 1917), Ensign, U. S. N. R. F., Class 5 (Nav. Res. Flying Corps.), Washington, D. C.
- CLAYTON, J. Paul (Junior, 1911), Commer. Mgr., Middle West Utilities Co., Rm. 1500, 72 W. Adams St., and *for mail*, 5425 Dorchester Ave., Chicago, Ill.
- CLEATON, R. Ewart (Associate-Member, 1917), Mgr. The R. E. Cleaton Co., 20 St. Nicholas St., Montreal, P. Q., Canada.
- CLEGG, Robert I. (1902), Editor, V. P., Gardner Ptg. Co., Caxton Bldg., and *for mail*, 10,600 Hampden Ave., Cleveland, O.
- CLEGHORN, Mark P. (1914), Assoc. Prof. M. E., Ia. State College, and *for mail*, 513 Ash Ave., Ames, Ia.
- CLEMENS, A. B. (1904), Prin. Sch. M. E., Internatl. Corr. Schs., Instruction Bldg., and 1034 Woodlawn St., Scranton, Pa.
- CLEMMER, David P. (Junior, 1916), Insp. Auxiliaries and Mch., U. S. Shipping Bd. Emergency Fleet Corp'n, Washington, D. C., and *for mail*, Y. M. C. A., St. Paul Minn., also Middlebrook, Va.
- *CLEMONS, Robert S. (1916), Maj., Commanding 506th Engrg. Serv. Bur., Camp Lee, Va., and Supt. The Foundation Co., Rochester, P. O. Box 436, and 6634 Paschall Ave., Philadelphia, Pa.
- CLERGUE, Bertrand J. (Associate, 1907), V. P., Universal Transmission Ltd., 137 McGill St., and 731 Sherbrooke St., W., Montreal, Que., Canada.
- CLEVELAND, Clarence E. (1916), Treas., Intervale Mills, Quinebaug, Conn., and Webster, Mass.
- CLEVELAND, Fred P. (Associate-Member, 1914), Secy., Treas., B. F. Perkins & Son Inc., 2 Crescent St., and *for mail*, 62 Taylor St., Holyoke, Mass.
- CLIFFORD, Ernest L. (1914), Asst. Ch. Engr., Cannon-Swenson Co., 941 Monadnock Blk., and 6924 Greenview Ave., Chicago, Ill.
- CLINE, McGarvey (1916), Engr., Commodores Point Term Co., Rm. 712 Constld. Bldg., and 1427 Post St., Jacksonville, Fla.
- CLOCK, Ernest E. (Associate, 1917), Ch. Insp. Eng. and Flywheel Dept., Fidelity & Casualty Co., 92 Liberty St., New York, N. Y., and *for mail*, 100 Park Pl., Passaic, N. J.
- CLOUD, John W. (1880), V. P., Managing Dir., Westinghouse Brake Co., Ltd., 82 York Rd., King's Cross, London, N., England.
- CLOUDSLEY, David B. (Associate, 1908), Buffalo, and *for mail*, Box 342, Williamsville, N. Y.
- CLOUDSLEY, James B. (1892), 114 S. Cayuga St., and *for mail*, P. O. Box 342, Williamsville, N. Y.
- CLOUSER, George L. (Junior, 1913), Draftsman, Baldwin Loco. Wks., 500 N. Broad St., and *for mail*, 3252 Park Ave., Philadelphia, Pa.
- *CLUCAS, George W. (Associate-Member, 1915), Co. G., 1st Reg't. 122 Res., Militia, Engr. and Salesman, Am. Steam Pump Co., 1220 Monadnock Block, and 1512 Farwell Ave., Chicago, Ill.
- CLUETT, Albert E. (1900: 1903), M. E., Cluett Peabody & Co., Inc., and *for mail*, P. O. Box 666, Troy, N. Y.
- *CLUETT, Sanford L. (1903: 1911), Maj., Sig. Corps, N. Y. G., V. P., Walter A. Wood. Mowing & Reaping Mch. Co., Hoosick Falls, N. Y.
- CLYNE, Robert G. (1913), M. E., 700-704 Columbia Bldg., St. Louis, Mo., and 2521 Edwards St., Alton, Ill.
- COATES, E. Osborne (Junior, 1913), Supr., du Pont Powder Co., Carpey's Point, and *for mail*, 32½ Ziegler Tract, Pennsgrove, N. J.

- COBB, Charles C., Jr. (Junior, 1912), Lorain Wks., Natl. Tube Co., Lorain and *for mail*, 459 N. Main St., Amherst, O.
- COBB, Geo. H. (1891), V. P., Genl. Mgr., N. Y. Transit Co., 802 Kilmer Bldg., and 193 Front St., Binghamton, N. Y.
- COBB, H. Elmore (Junior, 1916), Progress Engr., U. S. Shipping Board, and *for mail*, Audubon, N. J.
- COBB, Howard P. (Associate-Member), Industrial Engr., D. B. Lewis & Co., Rm. 812, 45 Milk St., Boston, and 58 Dartmouth St., Belmont, Mass.
- COBB, Willard H. (Junior, 1912), Mfg. Dept., N. Y. Belting & Packing Co., 91 Chambers St., New York, and 953 President St., Brooklyn, N. Y.
- COBLEIGH, Henry R. (Junior, 1904), Tech. Editor, Automobile Trade Journal and Commercial Car Journal, Chilton Co., Market and 49th Sts., and *for mail*, 1542 W. 62nd St., Philadelphia, Pa.
- *COBURN, Frederic G. (1912; 1913), Naval Constr., U. S. N., Naval Aircraft Factory, Navy Yard, Philadelphia, Pa.
- COBURN, Howard L. (1901), Secy., Ch. Engr., Ambursen Co., 61 Broadway, and *for mail*, 52 Irving Pl., New York, N. Y.
- COCHRANE, Robert B. (1903), Ch. Engr. Exper. Dept., Miller Rubber Co., and 69 Marvin Ave., Akron, O.
- COCKBURN, Francis B. (1910), Ch. Engr., Lodge & Shipley Mch. Tool Co., 3055 Colerain Ave., and 4225 Brookside Ave., Northside, Cincinnati, O.
- COCKS, Frank L. (Associate-Member, 1913), Efficiency Engr., Rockwood & Co., Brooklyn, and Box 336, Glen Cove, L. I., N. Y.
- COE, Harry L. (Associate-Member, 1915), Mgr. Projectile Dept., Consltd. Car-Htg. Co., Albany, N. Y., and V. P. Harpham, Barnes, Stevenson & Co., 79 Milk St., Boston, Mass.
- COES, Harold V. (1907; 1913), Ford, Bacon & Davis, 115 Broadway, New York, N. Y., and *for mail*, 42 Forest Ave., Montclair, N. J.
- COFFIN, Frank M. (1907), Genl. Mgr., Wheeler McDowell Elev. Co., 417-421 Canal St., New York, and *for mail*, 155 Nyac Ave., Pelham, N. Y.
- COFFIN, Howard E. (1907), V. P., Cons. Engr., Hudson Motor Car Co., Detroit, and Grosse Pointe Shores, Mich.
- COFFIN, Mitchell (Junior, 1913), Mem. of Firm, S. M. Ryder & Son, and 1136 Main St., Niagara Falls, N. Y.
- COFFIN, Wm. C. (1894), V. P., Sales Mgr., Blaw-Knox Co., and *for mail*, 5930 Howe St., Pittsburgh, Pa.
- COFFMAN, Joseph P. (1914), Genl. Supt., Natl. Transit Pump & Mch. Co., and *for mail*, 207 Lincoln St., Oil City, Pa.
- COGHLIN, John P. (1901), Pres., Treas., Coghlin Elec. Co., 257 Main St., and *for mail*, Box 35, Worcester, Mass.
- COGSWELL, Lester W. (Associate-Member, 1917), Eng. Designer, Kinney Mfg. Co., 3541 Washington St., Jamaica Plain, Boston, and *for mail*, 153 Lowell St., Somerville, Mass.
- COGSWELL, Wm. B. (1880), Manager, 1880-1882; V. P., The Solvay Process Co., and 1234 James St., Syracuse, N. Y.
- *COHEN, Abraham S. (Associate-Member, 1915), 1st Lieut. O. R. C., U. S. A., and *for mail*, 24 Canterbury St., Dorchester, Mass.
- COHEN, Edgar F. (Junior, 1916), Sales Engr. Centrifugal Pump Dept., Worthington Pump & Mch. Corp., Harrison, N. J., and *for mail*, 1871 Seventh Ave., New York, N. Y.
- COKER, James L., Jr. (1915), V. P., Carolina Fiber Co., Hartsville, S. C.
- COLAHAN, Charles (1916), Holt Mfg. Co., and *for mail*, 515 S. Grant St., Stockton, Cal.
- COLBY, Albert L. (1893), Cons. Engr. 447 Lehigh St., and 827 Bishopthorpe St., South Bethlehem, Pa.

- COLDWELL, Arthur J. (Associate-Member, 1917), Supt. Coldwell Lawn Mower Co., 302 Water St., and *for mail*, 6 Central Ave., Newburgh, N. Y.
- COLDWELL, John S. (Junior, 1915), Engr., Cutler Hammer Mfg. Co., and *for mail*, 176 12th St., Milwaukee, Wis.
- COLE, Arthur W. (1904; 1911), Assoc. Prof. M. E. Purdue Univ., Lafayette, and *for mail*, 224 Waldron St., West Lafayette, Ind.
- *COLE, C. L. (1908; 1913), Capt., Ord Sec., O. R. C., M. E., Falls Motor Corp., Box 192, and 1809 N. 6th St., Sheboygan, Wis.
- *COLE, Charles S. (1912), Capt. O. R., and *for mail*, 820 Penobscot Bldg., Detroit, Mich.
- COLE, Dwight S. (1903), Mech. Expt., Patent Atty., 323 Murray Bldg., and *for mail*, 241 Lafayette Ave., S. E., Grand Rapids, Mich.
- COLE, Edward S. (1897; 1906), Pres., The Pitometer Co., 25 Elm St., New York, N. Y., and 133 Bellevue Ave., Upper Montclair, N. J.
- COLE, Forrest W. (1917), M. E., The Solvay Process Co., and *for mail*, 311 Gordon Ave., Syracuse, N. Y.
- COLE, Francis J. (1888), Ch. Cons. Engr., Am. Loco. Co., and *for mail*, 3 Avon Rd., Schenectady, N. Y.
- COLE, Frank B. (1912), Cons. Engr., P. O. Box 563, and 79 E. Brood St., Newnan, Ga.
- COLE, Frank H. (Junior, 1915), Ch. Chem., Walworth Mfg. Co., 1st and O Sts., South Boston, and *for mail*, 5 Summer Rd., Dorchester, Mass.
- COLE, Fred B. (1911), Asst. Engr., Chas. T. Main, 201 Devonshire St., Boston, and 196 Parkway, Winchester, Mass.
- COLE, Harold R. (Junior, 1915), Toronto Mgr., A. Schrader's Son, Inc., 20-22 Hayter St., and 5 Lonsdale Rd., Suite 4, Toronto, Ont., Canada.
- COLE, J. Wendell (1883), Life Member; Dist. Mgr., William Sellers & Co's. Tool and Drill Grinders, and Detroit Emery Wheel Co., P. O. Box 84, Columbus, O.
- COLE, Raymond A. (Junior, 1917), Engr., Robert T. Pollock Co., 68 Devonshire St., Boston, Mass.
- COLE, William E. (Associate, 1916), Genl. Supt. and Engr., Natl. Scale Co., and *for mail*, 43 Alvord Ave., Chicopee Falls, Mass.
- COLE, Winthrop (1891; 1904), M. E., Engrg. Exper. Sta. U. S. Naval Acad., and 217 Hanover St., Annapolis, Md.
- COLEMAN, Charles P. (1917), Pres., Worthington Pump & Mch'y. Corp'n, 115 Broadway and 53 E. 66th St., New York, N. Y.
- COLEMAN, J. Emile (Associate-Member, 1917), Efficiency Engr., The Mergenthaler Linotype Co., 44 Ryerson St., Brooklyn, N. Y., and 15 Rector Pl., Red Bank, N. J.
- COLEMAN, Robert J. (Junior, 1914), Pres., Coleman-Shoemaker Mead, Inc., 820 Commercial Trust Bldg., Philadelphia, and 6336 Sherman St., Germantown, Philadelphia, Pa.
- COLEMAN, Wm. F. (Associate-Member, 1917), Asst. Mgr., Pyott Fdv. Co., 328 N. Sangamon St., and *for mail*, 238 N. Latrobe Ave., Chicago, Ill.
- COLEMAN, William W. (1908), Pres., Bucyrus Co., South Milwaukee, and *for mail*, 828 Juneau Ave., Milwaukee, Wis.
- COLLAMORE, Ralph (1914), Secy., Smith, Hinchman & Grylls, 710 Washington Arcade Bldg., and 129 Pingree Ave., Detroit, Mich.
- COLLES, Geo. W. (1895; 1901), Cons. E. and M. E., 301 Kress Bldg., Houston, and *for mail*, Rosharon, Tex.
- COLLETT, S. D. (1902), Elev. Supply & Repair Co., 119 W. 40th St., New York, and *for mail*, 365 Sterling Pl., Brooklyn, N. Y.
- COLLINS, B. R. T. (1891; 1901), Ch. Engr., Spray Engrg. Co., 93 Federal St., Boston, and *for mail*, 29 Oxford Rd., Newton Centre, Mass.

- COLLINS, Francis A., Jr. (Junior, 1910), Auburn Ball Bearing Co., 29 Elizabeth St., and *for mail*, 236 Rosedale St., Rochester, N. Y.
- COLLINS, Francis W. (1912), Cons. Engr., 50 Church St., and 251 Ft. Washington Ave., New York, N. Y.
- COLLINS, Hubert E. (1915), Cons. Engr., 132 Boyce Ave., Utica, N. Y.
- COLLINS, Palmer (1916), Danner Steel Co., and *for mail*, 674 McKinley Parkway, Buffalo, N. Y.
- COLLINS, Richard C. (Associate-Member, 1914), Mech. Supt. Chelsea Fibre Mills, 1155 Manhattan Ave., and 66 Orange St., Brooklyn, N. Y.
- COLLISON, Thomas A. (1915), M. E., Mt. Vernon Car Mfg. Co., and 812 Maple St., Mt. Vernon, Ill.
- COLLISTER, George F. (1915), Sales Engr., The Betz Pierce Co., 2230 E. 9th St., Cleveland, and 17 Wright St., Willoughby, O.
- COLLYER, William C. (Junior, 1916), Salesman, Ingersoll Rand Co., Juneau, Alaska.
- COLMAN, Howard D. (1912), Mem. of Firm, Barber-Colman Co., Rockford, Ill.
- COLVIN, Charles H. (Junior, 1916), Engr. Aeroplane Dept., Sperry Gyroscope Co., 40 Flatbush Ave. Extension, Brooklyn, N. Y., and *for mail*, 56 N. Maple Ave., East Orange, N. J.
- COLVIN, Delancy W. (Junior, 1917), Mfg. Engrs. Dept., W. R. A. Co., 1290 Chapel St., New Haven, Conn.
- COLVIN, Fred H. (1895; 1899), Assoc. Editor, Am. Machinist, 10th Ave. and 36th St., New York, N. Y., and *for mail*, 56 N. Maple Ave., East Orange, N. J.
- *COLVIN, James A. (Junior, 1915), Co. E, 313 Engr., Camp Dodge, Ia., and Sauk Rapids, Minn.
- COLWELL, James V. V. (1903), Life Member; Equip. Engr., 105 W. 40th St., and 1765 Sedgwick Ave., New York, N. Y.
- COMFORT, Newman (Junior, 1916), Mgr. Louisiana Branch Natl. Workmen's Compensation Serv. Bureau, 310 Hibernia Bank Bldg., and *for mail*, 2134 Pine St., New Orleans, La.
- COMLY, G. Norwood, (1905; 1907), Soda Ash Dept., Solvay Process Co., Syracuse, N. Y.
- COMPTON, Robert W. (Associate, 1913), So. Agt., Hooven, Owens, Rent-schler Co., 1508 Candler Bldg., and 33 Adams St., Decatur, Ga.
- *COMSTOCK, Charles Worthington (1908), 2nd Lieut., F. A., N. A., Cons. Engr., 1005 First Natl. Bank Bldg., and 76 Grant St., Denver, Colo.
- COMSTOCK, Elting H. (1917), Prof. Mine Plant and Mechanics Sch. of Mines, Univ. of Minnesota, and 1319 Seventh St., S. E., Minneapolis, Minn.
- COMSTOCK, Louis K. (1902), Pres., L. K. Comstock & Co., Pres., Canadian Comstock Co., Ltd., 30 Church St., New York, N. Y., and *for mail*, 195 Fernwood Ave., Montclair, N. J.
- *CONANT, Wm. S. (1895; 1904), Capt. O. Dept., U. S. A., Springfield Armory, Springfield, Mass., Cons. Engr., 80 Griswold St., Detroit, Mich.
- *CONARD, Frederick U. (Junior, 1916), 2nd Lieut. E. O. R. C., 6th U. S. Engrs., and *for mail*, 361 Washington Ave., Brooklyn, N. Y.
- CONARD, Wm. R. (Associate, 1906), Savings Institution Bldg., and 1104 High St., Burlington, N. J.
- *CONE, Hutchinson I. (1910), Commander U. S. N., Navy Dept., Washington, D. C.
- CONKLIN, Harry R. (1915), Min. and E. E., Joplin, Mo.
- CONLEE, George D. (1906; 1914), Mgr., The Chuctanunda Gas Light Co., 33 Market St., and 20 Grant Ave., Amsterdam, N. Y.
- CONLEY, Murray C. (Associate-Member, 1917), M. E., Henry L. Doherty & Co., 60 Wall St., New York, N. Y.

- CONN, Charles F. (1916), J. G. White Engrg. Corp., 43 Exchange Pl., New York, N. Y.
- CONN, Thomas D. (Junior, 1916), Designer, Engr., Bethlehem Steel Co., Marine Dept., Sparrows Point, and *for mail*, 1115 Brentwood Ave., Baltimore, Md.
- CONNELL, Earle W. (Junior, 1916), Asst. Ch. Engr., Power Plants, American Agri. Chemical Co., and *for mail*, Box. 28 Pierce, Fla.
- CONNELL, F. Van Buren (Junior, 1917), M. E. in charge Dynamic Balance, with N. W. Akimoff, 239 N. Watts St., and Manheim Apts., Germantown, Philadelphia, Pa.
- CONNELLY, Laurence E. (Associate, 1915), V. P., The D. Connelly Boiler Co., Cleveland, and 1830 Idlewood Ave., E. Cleveland, O.
- CONNELLY, William C. (Associate, 1915), Pres., The D. Connelly Boiler Co., 1170 Ivanhoe Rd., and 1892 Rosalind Ave., Cleveland, O.
- CONNER, B. Franklin, Jr. (Junior, 1915), 106 Barbey St., Brooklyn, N. Y.
- CONNER, Wm. W. (1917), Power Engr., Kodak Park Wks., Eastman Kodak Co., and *for mail*, 48 Clay Ave., Rochester, N. Y.
- CONNET, Frederick N. (1908), Ch. Engr., Venturi Dept., Builders Iron Fdy., and 67 Whitmarsh St., Providence, R. I.
- CONNETT, Lyndon R. (Junior, 1898), 30 Church St., and 59 E. 65th St., New York, N. Y.
- CONNOLLY, James H. (1913; 1913), M. E., Remington Arms Ammunition Co., and *for mail*, 528 Clinton Ave., Bridgeport, Conn.
- CONNON, George W. (1907), Ch. Engr., Honolulu Iron Wks. Co., Teniente Key 11, Havana, Cuba, and 174 Watchung Ave., Montclair, N. J.
- CONNOR, Herbert R. (Junior, 1913), M. E., Meese & Gottfried Co., San Francisco, and *for mail*, 1634 San Antonio Ave., Alameda, Cal.
- CONRAD, Ernest B. (1903), Supt. Elec. Launch Co., and *for mail*, 127 Humphreys Ave., Bayonne, N. J.
- CONRAD, Hugh V. (1887; 1891), Secy. Compressed Air Soc., 8 W. 40th St., and 122 E. 40th St., New York, N. Y.
- CONRADER, Rudolph (1893), 708 Parade St., Erie, Pa.
- CONRAN, Fred M. (Associate-Member, 1914), Supt. The Metals Plating Co., and *for mail*, 778 Newark Ave., Elizabeth, N. J.
- CONRATH, George B. (1907), Genl. Mgr., Nagle Corliss Eng. Wks., and *for mail*, 443 E. 6th St., Erie, Pa.
- CONSOLIVER, Earl L. (Associate-Member, 1914), Instr. Mech. Drawing and Mch. Design Extension Div., Univ. of Wis., and *for mail*, 415 N. Park St., Madison, Wis.
- CONSTABLE, John P. (Associate-Member, 1917), Ch. Engr., Edison Lab. and Llewellyn Park, Orange, N. J.
- CONSTANTINE, Joseph H. (1913), Dir. Dept. of Industrial Arts and Vocational Training, Pub. Schs., and *for mail*, Board of Education, Passaic, N. J.
- CONTI, Angelo (1913), Asst. Ch. Engr., Emergency Fleet Corp'n., Munsey Bldg., Washington, D. C.
- *CONVERSE, Bernard T. (1909), Maj. Ord. R. C., Watervliet Arsenal, Watervliet, N. Y., and Rosemont, Pa.
- CONVERSE, William A. (Associate, 1914), Secy., Chem. Dir., Dearborn Chem. Co., 2005 McCormick Bldg., and *for mail*, 4320 Greenwood Ave., Chicago, Ill.
- CONVERY, John J. (1916), Cons. Engr., 19 W. 44th St., and 3099 Broadway, New York, N. Y.
- CONWAY, George R. G. (1913), The Mex. Light & Power Co., 19 Manning Arcade, Toronto, Ont., Canada.
- COOK, Charles B. (Associate, 1913), V. P., Royal Typewriter Co., 150 New Park Ave., and *for mail*, 240 Collins St., Hartford, Conn.

- COOK, Glenn W. (Associate-Member, 1917), Sr. Insp., The Travelers' Ins. Co., 318 Main St., and 51 Whittier Ave., Springfield, Mass.
- COOK, Harry H. (Junior, 1910), Engr., The Chapman Valve Mfg. Co., and *for mail*, 135 Essex St., Indian Orchard, Mass.
- COOK, Henry P. (Junior, 1914), Draftsman Newport News Shipbldg. and Drydock Co., and 3305 West Ave., Newport News, Va.
- COOK, Howard B. (Junior, 1917), Sales Engr., The Warner Elev. Mfg. Co., 802 Fidelity Trust Bldg., and *for mail*, 3314 Graceland Ave., Indianapolis, Ind.
- COOK, J. F. (1902), Whitney Point, N. Y.
- COOK, John P. (Junior, 1906), Sr. M. E., Interstate Commerce Comm., Rm. 600 Commercial Trust Bldg., Philadelphia, Pa., and 31 Garfield Pl., Albany, N. Y.
- COOK, O. W. (1915), Mgr., Canadian Cartridge Co., and 27 Bold St., Hamilton, Ont., Canada.
- COOK, Robertson (1914), Prof. Exper. Engrg., S. D. State College, Brookings, S. D.
- COOK, Thomas R. (1911), Ch. Engr., Willard Storage Battery Co., 274 E. 131st St., Cleveland and 1822 Sheldon Ave., East Cleveland, O.
- *COOK, Wm. P., Jr. (1911; Associate-Member, 1913), 1st Lieut., O. O. R. C., M. E., Thompson-Starrett Co., 660 First Ave., New York, and Bay Shore, L. I., N. Y.
- COOKE, Eugene L. (Junior, 1917), Sales Engr. Vincent-Gilson Engrg. Co., Rm. 603, 30 Church St., New York, and 1974 E. 13th St., Brooklyn, N. Y.
- COOKE, Fred W. (1903), Ret., 384 Broadway, Paterson, N. J.
- COOKE, George W. (1907), Supt. Pierce Arrow Motor Car Co., 1695 Elmwood Ave., and *for mail*, 100 Parkdale Ave., Buffalo, N. Y.
- COOKE, Harte (1897), M. E., McIntosh & Seymour Co., and *for mail*, 10 Jefferson St., Auburn, N. Y.
- COOKE, Horace G. (1914), East Mgr., The Connersville Blower Co., 114 Liberty St., New York, N. Y.
- COOKE, Morris Llewellyn (1903), Manager, 1914-1915; Cons. Engr., 401 W. Walnut Lane, Germantown, Philadelphia, Pa.
- *COOKE, Stanley S. (Junior, 1916), U. S. Coast Guard, U. S. S. Tampa, care of Postmaster, New York, N. Y.
- COOKSON, A. W. (Associate, 1917), Maintenance & Constr. Engr., Willys-Morrow Co., Elmira, and 253 Oakwood Ave., Elmira Heights, N. Y.
- COOKSON, Thomas J. (1916), Designing Engr., The Ohio Blower Co., Cleveland, and *for mail*, 352 Helen St., Cincinnati, O.
- COOLEY, Erwin S. (1910), Raymond Concrete Pile Co., 140 Cedar St., New York, N. Y.
- COOLEY, M. E. (1884), Vice-President, 1901-1903; Prof. M. E., Dean Colleges of Engrg. and Arch., Univ. of Mich., Rm. 251, New Engrg. Bldg., and 1405 Hill St., Ann Arbor, Mich.
- COOLIDGE, C. E. (1917), Ch. Engr. 8" Howitser Dept., The Canadian Fairbanks-Morse Co., and *for mail*, 166 Jarvis St., Toronto, Canada.
- COON, J. S. (1880), Prof. M. E., Supt. Shops, Ga. Sch. of Tech., and 26 Kimball St., Atlanta, Ga.
- COON, Thurlow E. (1908; 1914), Pres., The Coon-DeVisser Co., 1923-1925 Ford Bldg., and 196 Edison Ave., Detroit, Mich.
- COONEY, James L. (Associate-Member, 1915), Supt. Internatl. Salt Co., Myers, and Ithaca, N. Y.
- COONLEY, Howard (Associate, 1917), Pres., Walworth Mfg. Co., Lock Draw 26, Boston, and 50 Dunster Rd., Chestnut Hill, Mass.

- COOPER, Arthur (Associate-Member, 1917), United Rys. of Havana, Havana, Cuba.
- COOPER, David M. (Associate-Member, 1917), M. E., Natl. Metal Molding Co., and 192 Sixth St., Ambridge, Mass.
- COOPER, Elisha H. (Associate, 1915), Treas., The Fafnir Bearing Co., and *for mail*, 169 Vine St., New Britain, Conn.
- COOPER, Frederick F. (1914), Genl. Mgr., Olympian Dredging Co., 249 First St., and *for mail*, 316 Laurel St., San Francisco, Cal.
- COOPER, George H. (Associate-Member, 1916), Ch. Draftsman, Electric Furnace Co., Alliance, and 20 Garfield Ave., Salem, O.
- COOPER, George S. (1909), 20 Garfield Ave., Salem, O.
- COOPER, Henry R. (1890; 1895), Solvay Process Co., and *for mail*, 1921 W. Genesee St., Syracuse, N. Y.
- COOPER, Howard (Junior, 1917), Lubrication Engr., The Tex. Co., 332 S. Michigan Ave., and *for mail*, 5202 Cornell Ave., Chicago, Ill.
- COOPER, Howell C. (1912), Genl. Supt., Hope Natural Gas Co., and 667 Mulberry St., Clarksburg, W. Va.
- COOPER, Hugh L. (1913), Cons. Engr., 101 Park Ave., New York, N. Y.
- COPE, Robert H. (Junior, 1912), Sales Engr., Taylor-Wharton Iron & Steel Co., 45 Bromfield St., Boston, and 47 Dunster Rd., Jamaica Plain, Mass.
- COPELAND, Frederick K. (1914), Pres., Sullivan Mch. Co., 122 S. Michigan Ave., Chicago, Ill.
- COPELAND, Stuart B. (Junior, 1913), Mech. Mgr., East Mfg. Co., and *for mail*, 21 First St., Bangor, Me.
- COPELAND, Alexander W. (1913), Pres., Genl. Mgr., Detroit Gear & Mch. Co., and *for mail*, 127 Franklin St., Detroit, Mich.
- COPONY, Alfred (1916), Mgr., Copony Auto Loading Co., care of Detroit Trust Co., and *for mail*, 214 Vinewood Ave., Detroit, Mich.
- COPPAGE, B. Denver (1915), Exper. Engr., E. I. du Pont de Nemours & Co., and *for mail*, 14 Willard St., Wilmington, Del.
- CORBETT, Melvin C. (Junior, 1915), Draftsman, Spencer Heater Co., and *for mail*, 419 Washington Ave., Scranton, Pa.
- CORBETT, R. H. (1904), Engr., Nordberg Mfg. Co., and *for mail*, 947 Newhall St., Milwaukee, Wis.
- CORBETT, William B. (Junior, 1916), Draftsman, Terry Steam Turbine Co., and *for mail*, 20 King St., Hartford, Conn.
- CORDES, Paul H. (1914; Associate-Member, 1916), Engrg. Salesman, Worthington Pump & Mch. Corp., 820 Old Colony Bldg., Chicago, Ill.
- CORE, W. Wallace, (1907; 1914), 123 N. 4th St., Newark, N. J.
- COREY, David A. (1917), Exec. Engr., S. F. Bowser & Co., Inc., and *for mail*, 137 E. De Wald St., Ft. Wayne, Ind.
- COREY, Fred B. (1894; 1900), Engr., Pittsburgh Valve & Fittings Co., and *for mail*, 615 Newell St., Barberton, O.
- COREY, Varian S. (1916), Supt. The Hampden Watch Co., and *for mail*, 620 Market Ave., S., Canton, O.
- CORLETTE, Glen H. (Junior, 1910), Mgr., Fairbanks, Morse & Co., 475 Calle Peru, Buenos Aires, Argentina, S. A.
- CORNELIUS, Henry R. (1888), Sales Engr., Mesta Mch. Co., and Darlington Rd., Pittsburgh, Pa.
- CORNELIUSSEN, Olav S. (Associate-Member, 1915), M. E., Cuban Portland Cement Co., Mariel, and Cayo Mason, Cuba.
- CORNELL, H. D. (Associate-Member, 1917), V. P., Genl. Mgr., Higrade Pet. & Gasoline Co., 1893 P. O. Box, and 1417 S. Elwood, Tulsa, Okla.
- CORNISH, William R. (Junior, 1913), Power Distribution Engr., The Minn. Steel Co., and 152 First St., Morgan Park Sta., Duluth, Minn.

- CORNWELL, Eugene W. K. (Junior, 1916), Inspr. Art. Ammunition, O. D., Inspection Div., U. S. A., Youngstown, O., and 236 Water St., Northumberland, Pa.
- CORNWELL, Hobart V. (Junior, 1915), Asst. to Mech. Engr., Pa. Coal & Coke Co., 17 Battery Pl., New York, and *for mail*, 152 Greenwich St., Hempstead, L. I., N. Y.
- CORP, Charles I. (1904; 1915), Assoc. Prof. Hyd. Engrg., Univ. of Wis., Hyd. Lab., and 2114 W. Lawn Ave., Madison, Wis.
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- COTTON, Geo. G. (1902), Treas., Keenan Metal Co., Camillus, and *for mail*, Fairmount, R. F. D. 1, Camillus P. O., N. Y.
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- COURTENAY, Charles R. (1914), M. E., Partner, Watertown Eng., and Mch. Co., Mill St., and *for mail*, 351 Arsenal St., Watertown, N. Y.
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- COVERDALE, Edward J. (Associate, 1917), Sales Engr., Fairbanks-Morse & Co., 922 Bk. of Com. Bldg., and Monticello Hotel, Norfolk, Va.
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- COWEN, Harry Junior (1913), Asst. Engr. Car Equip., I. R. T. Co., 98th St., and 3d Ave., and *for mail*, 999 Aldus St., New York, N. Y.

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- COX, Abraham B. (1914), Asst. Engr., Genl. Reduction, Gas and By-Products Co., 49 Wall St., New York, and Cherry Valley, and *for mail*, 55 Liberty St., New York, N. Y.
- COX, C. Gordon (1917), Dist. Mgr., McIntosh & Seymour Corp'n., 2086 Rwy. Exch. Bldg., St. Louis, Mo., and *for mail*, 815 Sheldon Bldg., San Francisco, Cal.
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- CRAIG, Howard B. (Junior, 1899), Solvay Process Co., Syracuse, N. Y.
- CRAIG, James (1897), James Craig Eng. & Mch. Wks., 807 Garfield Ave., Jersey City, N. J., and 120 Echo Ave., New Rochelle, N. Y.
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- *CRANE, Eugene C. (Junior, 1915), 2nd Lieut., E. O. R. C., U. S. A., and *for mail*, 4277 Sheridan Ave., S., Minneapolis, Minn.
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- CRANE, Holden I. (1916), Industrial Engr., E. M. Chace, 820 Union Central Bldg., and Warren Ave., Clifton, Cincinnati, Ohio.
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- CREDO, Julius (Associate-Member, 1916), East. Mgr., Louisville Drying Mch. Co., 80 Maiden Lane, New York, and *for mail*, 48 Jackson St., Stapleton, N. Y.
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- CRUIKSHANK, Dr. Barton (1913), Designing Engr., Maxim Munitions Corp'n, Watertown, and *for mail*, Potsdam, N. Y.
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- CURRY, Malcolm (1917), Genl. Engr., Am. Thread Co., and *for mail*, 58 Park Slope, Holyoke, Mass.
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- CURTIS, Edma H., Jr. (Junior, 1901), Nivison Werskopf Co., and 702 Ridgeway Ave., Cincinnati, O.
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- DARNELL, James C. (Junior, 1917), Mech. Draftsman, Ordnance Office, U. S. Navy Yard, and *for mail*, 1418 "F" St., N. E., Washington, D. C.
- DARRIN, David H. (1892; 1900), Pres., Automatic Switch Co., 4-6 White St., New York, N. Y.
- DARROW, Herbert V. W. (Junior, 1914), M. M., Falkill Constr. Co., 1 Washington St., Poughkeepsie, and *for mail*, Box 532, Highland, N. Y.
- DART, Harry E. (1917), Supt. Engrg. Dept., The Hartford Steam Boiler Inspc. & Ins. Co., 56 Prospect St., and Brazos St., R. F. D. No. 1, Hartford, Conn.
- DART, William C. (Associate, 1907), Pres., R. I. Tool Co., 148 West River St., and 16 Stimson Ave., Providence, R. I.
- DASHIELL, W. W. (1890), Pres., Genl. Mgr., N. Y. Lubricating Oil Co., 116 Broad St., and 848 St. Nicholas Ave., New York, N. Y.
- DASSO, David (Junior, 1912), Mgr., The Vulcan Iron Wks. Co., Apartado 137, Callao, Peru, S. A.
- DATZ, Louis C. (1916), Engr., So. Properties, United Gas & Elec. Engrg. Corp., 2100 First Ave., and 2370 Arlington Ave., Birmingham, Ala.
- DAUCHY, Samuel E. (1903; 1917), Genl. Supt., Worcester Mfg. Co., 18 Grafton St., Worcester, Mass., and *for mail*, 205 Benson Pl., Westfield, N. J.
- DAUGHERTY, Frank (Junior, 1909), V. P. Scofield Engrg. Co., 1324 Commer. Trust Bldg., and *for mail*, 5428 Catherine St., Philadelphia, Pa.
- DAUGHERTY, Samuel B. (1905), Ch. Engr., Gas and Oil Eng. Dept., Snow-Holly Wks., Worthington Pump & Mchy. Corp., and *for mail*, 129 Claremont Ave., Buffalo, N. Y.
- DAVENPORT, William S. (1913), Treas., Davenport Mch. Tool Co., 34 N. Second St., and *for mail*, 124 Cottage St., New Bedford, Mass.
- DAVEY, Warren (1899; 1916), Ch. Engr., Colgate & Co., 105 Hudson St., Jersey City, and 49 Lake Drive, Mountain Lakes, N. J.
- DAVID, William H. (Associate-Member, 1913), Charge of Drawing Room, S. S. White Dental Mfg. Co., Prince Bay, S. I., and *for mail*, 175 Fisher Ave., Tottenville, N. Y.
- DAVIDS, Robert L. (Junior, 1917), Ord. Designer, U. S. Gov., Office of Ch. of Ord., War Dept., Washington, D. C., and *for mail*, 536 N. Milton St., Baltimore, Md.
- DAVIDSON, Archer (Associate, 1907), Sales Engr., Westinghouse Elec. & Mfg. Co., 10 High St., Boston, Mass.
- DAVIDSON, Charles J. (1904), Manager, 1911-1914; Mem. of Firm, Woodmansee-Davidson Engrg. Co., 784 Continental & Commer. Bank Bldg., Chicago, Ill., and 415 Lafayette Pl., Milwaukee, Wis.
- DAVIDSON, J. Brownlee (1905; 1912), Prof. Agri. Engrg., Agri. Exper. Sta., Univ. of Cal., Univ. Farm, Davis, Cal.
- DAVIDSON, John C. (1915), Ch. Engr., S. S. White Dental Mfg. Co., and 449 Prince Bay Rd., Prince Bay, S. I., N. Y.
- DAVIDSON, Marshall T. (1886), Pres., M. T. Davidson Co., 43-53 Keap St., and 108 St. James Pl., Brooklyn, N. Y.
- DAVIDSON, Morgan W. (1912), Prof. M. E., Univ. of S. D., and 222 Pine St., Vermillion, S. D.
- DAVIDSON, William A. (1916), M. E. Dept., The Singer Mfg. Co., and 10 Highland Ave., Elizabethport, N. J.

- *DAVIES, Clarence E. (Junior, 1915), 1st Lieut. U. S. R., O. D., Frankford Arsenal, Bridesburg, Pa., and 1013 W. Lehigh Ave., Philadelphia, Pa.
- DAVIES, Thomas H. (Associate-Member, 1917), Engr., in charge, W. L. Dickinson High Sch., Newark and Palisades Ave., and *for mail*, 217 Pearsall Ave., Jersey City, N. J.
- DAVIES, Thomas R. (Junior, 1915), M. E., W. R. Grace & Co., Tech. Dept., Hanover Square, New York, N. Y., and *for mail*, 30 Maple St., Montrose, Pa.
- DAVIS, A. C. (1909), V. P., and Wks. Mgr. Gurney Ball Bearing Co., Jamestown, and Main and Hempstead Sts., Falconer, N. Y.
- DAVIS, Albion R. (Junior, 1913), M. E., Stone & Webster, 147 Milk St., Boston, and *for mail*, 70 Quint Ave., Allston, Mass.
- DAVIS, Calvin E. (Associate-Member, 1916), Power Dept., Conn. Co., New Haven, Conn., and Cazenovia, N. Y.
- DAVIS, Charles B. (1915), Engr., Mchy. Salesman, C. B. Davis Engrg. Co., 734 Brown-Marx Bldg., Birmingham, and 2028 Calera Ave., Ensley, Ala.
- DAVIS, Charles Ethan (1886), Cons. Engr., Engineers' Club, Box 133, New York, N. Y., and Innwood, Hamilton St., New Brunswick, N. J.
- DAVIS, Charles Henry (1890), South Yarmouth, Mass.
- DAVIS, Edwin H. (1907; 1916), Ch. Draftsman, Am. Steam Pump Co., N. Jefferson St., and *for mail*, 76 Chestnut St., Battle Creek, Mich.
- DAVIS, Edwin P. (Associate-Member, 1916), Supt., Modern Mfg. Co., and *for mail*, 169 Beechwood Ave., Bridgeport, Conn.
- *DAVIS, Francis P. (Junior, 1913), 2nd Lieut., C. A. C., N. A., Assigned to 33d Co., 8th Coast Defense Command, 563 W. 150th St., New York, N. Y.
- DAVIS, Fred R. (1914), Lubrication Engr., Vacuum Oil Co., Minneapolis, and *for mail*, 2107 E. 5th St., Duluth, Minn.
- DAVIS, George C. (1915), Pres., G. M. Davis Regulator Co., 422 Milwaukee Ave., Chicago, Ill.
- DAVIS, George Henry (1913), Mem. of Firm, Ford, Bacon & Davis, 921 Canal St., and 383 Walnut St., New Orleans, La.
- DAVIS, George Howard (Junior, 1907), Secy., J. J. Kenyon Mfg. Co., and 10 Howard Ave., Pawtucket, R. I.
- DAVIS, Herbert R. (1901; 1914), Genl. Supt., Dominion Natural Gas Co., Ltd., 842 Marine Bank Bldg., and 212 Summit Ave., Buffalo, N. Y.
- DAVIS, Herman H. (1913), Mfrs. Agt. and Dealer, 24 Milk St., and *for mail*, 8 Irvington St., Boston, Mass.
- DAVIS, John F. (Junior, 1912), Supt., Beckett Paper Co., and 616 Dayton St., Hamilton, O.
- DAVIS, John R. (Junior, 1916), Genl. Office Duties, U. S. Gypsum Co., and *for mail*, P. O. Box 150 Oakfield, N. Y.
- DAVIS, Leon K. (1911), 841 David Whitney Bldg., Detroit, Mich.
- DAVIS, Oliver M. (1914), Genl. Supt., Oil Mill, Swift & Co., Columbia, S. C.
- DAVIS, William J., Jr. (1910), Pac. Const. Engr., Genl. Elec. Co., Rialto Bldg., San Francisco, Cal.
- DAVISON, Clarence M. (Junior, 1909), Genl. Mgr., Westbrook Elev. Co., Danville, Va.
- DAVISON, Gregory C. (1913), V. P., Elec. Boat Co., Groton, and 913 Montauk Ave., New London, Conn.
- DAVISSON, Woodford (Associate-Member, 1915), Ch. Engr., Rancho La Brea Oil Co., 908 Merchants Natl. Bank Bldg., and 678 Irlo St., Los Angeles, Cal.
- DAVOL, Frank H., Jr. (1916), 17 Battery Place, New York, and 157 Willow St., Brooklyn, N. Y.

- DAVOL, George K. (1904), M. E., 503 Market St., San Francisco, Cal.
- DAVOUD, Vahram Y. (1906; 1909; 1913), E. and M. E., Utah Power & Light Co., Kearns Bldg., and 1067 3rd Ave., Salt Lake City, Utah.
- DAWES, Herbert N. (1902), V. P., Treas., Nightingale & Childs Co., Pres., Putnam-Morrill Co., 205 Congress St., Boston, and 100 Orange St., Chelsea, Mass.
- DAWES, Robert (1890; 1896), V. P., Supt., Haskell-Dawes Mch. Co., Erie and Trenton Aves., Philadelphia, and 5014 Penn St., Frankford, Philadelphia, Pa.
- DAWLEY, Clarence A. (1904; 1912), Cons. Engr., New Jersey Meter Co., and *for mail*, 904 Watchung Ave., Plainfield, N. J.
- DAWSON, George H. (1916), Plant Engr., Remington Arms Union Metallic Cartridge Co., Inc., and 156 John St., Ilion, N. Y.
- DAWSON, Val S. (Junior, 1914), Supt., Fidelity Cotton Oil Co., P. O. Box 1793, and 400 Emerson St., Houston, Tex.
- DAY, Charles (1902; 1912), Pres., Day & Zimmermann, 611 Chestnut St., Philadelphia, and Abbottsford Ave., Germantown, Philadelphia, Pa.
- DAY, Charles H. (1913), Engr., The Grasselli Chem. Co., and *for mail*, Cleveland, 1887 Rosemont Rd., East Cleveland, O.
- DAY, Charles L. (Junior, 1910), Genl. Mgr., So. Utilities Co., 916 Heard Bldg., Jacksonville, Fla.
- DAY, George H. (1912), Development Mgr., Rochester Spectacle Co., 236 Andrews St., and 166 Shepard St., Rochester, N. Y.
- DAY, Irvin W. (Junior, 1908), 100 Broadway, and 119 W. 71st St., New York, N. Y.
- DAY, Leonard A. (1909), Ch. M. E., St. Louis Water Dept., 34 E. Grand Ave., and *for mail*, 4015a Greer Ave., St. Louis, Mo.
- DAY, O. L. (Junior, 1916), Asst. Engr., Harbison-Walker Refractories Co., 1800 Farmers Bank Bldg., Pittsburgh, Pa.
- DAY, Percy C. (1913), Engrg. Mgr. Helical Gear Dept., The Falk Co., and *for mail*, 3209 Cedar St., Milwaukee, Wis.
- DAY, William A. (1916), Genl. Sales Mgr., The Frost Mfg. Co., 112 W. Adams St., Chicago, Ill.
- DAYTON, Birge S. (Junior, 1916), Asst. M. E., The Mech. Efficiency Co., and *for mail*, 420 E. Buchtel Ave., Akron, O.
- DEACON, Ralph W. (Associate, 1907), Supt. U. S. Metals Refining Co., Chrome, and 559 Westminster Ave., Elizabeth, N. J.
- DEAN, Ambrose B. (1913), Head of Engrg. Dept., Pacific Commercial Co., also Anderson Meyer & Co., Ltd., 11 Broadway, and 277 Lafayette Ave., Passaic, N. J.
- DEAN, Arthur M. (1907; 1913), V. P., and Ch. Engr., Templar Motor Corp'n, and 1466 E. 109th St., Cleveland, O.
- DEAN, Dion K. (Junior, 1912), Dist. Sales Mgr., Alberger Pump & Cond. Co., 88 Broad St., Boston, and 85 Faun Bar Ave., Winthrop, Mass.
- DEAN, Edmund W. (1905), Ch. Draftsman, Duplex Ptg. Press Co., and 67 Calhoun St., Battle Creek, Mich.
- DEAN, Francis W. (1883), Vice-President, 1895-1897; U. S. Shipping Bd., Emergency Fleet Corp., 1207 Rhode Island Ave., Washington, D. C., and 4 Eliot Rd., Lexington, Mass.
- DEAN, Hubert R. (Junior, 1916), Engr., John A. Stevens, 8 Merrimack St., Lowell, and 236 Pelham St., Methuen, Mass.
- DEAN, Peter P. (1914), Engr., Cutler-Hammer Mfg. Co., 50 Church St., and 245 Fort Washintgon Ave., New York, N. Y.
- DEARBORN, Wm. L. (1913; 1917), Genl. Mgr., Cuban Sugar Mills Corp'n, Los Palacios, and Calle A. No. 188 Vedado, Havana, Cuba.
- DEATS, William (1913), Factory Supt., Mem. Firm, The Edgar O. Clark Co., New York, and *for mail*, 34 Carrol St., Yonkers, N. Y.

- DE BAUFRE, Wm. L. (1909; 1913), M. E., U. S. Naval Engrg. Exper. Sta., and *for mail*, 84 Market St., Annapolis, Md.
- DECHERD, Constant K. (1914), M. M., Factory E. Internatl. Silver Co., and *for mail*, P. O. Box 464, Meriden, Conn.
- DECKER, Edward P. (1906), Asst. to Pres., Dusenbergs Motors Corp'n. 120 Broadway, and Engineers' Club, New York, N. Y.
- DECKER, George A. (1915), Wks. Engr., Warner & Swasey Co., Cleveland, and *for mail*, 1633 Carlyou Rd., East Cleveland, O.
- DECKER, James H. (Associate, 1913), Engr.-Constr., Mech., and Struc., 316 N. 4th St., Lafayette, Ind.
- DECKER, Rudolph J. (1917), M. E., Richmond Levering & Co., Inc., 90 West St., and Hotel Gerard, W. 44th St., New York, N. Y.
- DEDRICK, Benjamin W. (1914), Instr. Mill Engrg., Pa., State College, and *for mail*, Lock Box 442, State College, Pa.
- DEEDS, Edward A. (Associate, 1900), Pres., The Domestic Engrg. Co., 316 E. 1st St., and Moraine Farm, Dayton, O.
- de FLOREZ, Luis (Associate-Member, 1916), Ch. Engr., Motor Petrol Co., Draw F, Bayonne, and *for mail*, Short Hills, N. J.
- DE GROOT, John (Junior, 1916), Engr. Elec., Htg. and Vent. Depts., Westinghouse Church Kerr & Co., 37 Wall St., New York, and *for mail*, 28 Hubbard Place, Brooklyn, N. Y.
- DEILY, Arthur T. (Junior, 1913), M. E., Nordyke & Marmon Co., and *for mail*, 844 N. Gray St., Indianapolis, Ind.
- DEINERT, Edmund F. (1914), Supt. Pumping Stas., Hawaiian Commercial & Sugar Co., Puunene, Maui, Hawaii.
- DeLAMATER, Oakley R. (1902), V. P., Chadick, Delamater Corp'n, 159-161 W. 24th St., New York, and Pondfield Rd., Bronxville, N. Y.
- DeLAMATER, V. N. (1913), Asst. Sales Mgr., Hyatt Roller Bearing Co., 3066 W. Grand Blvd., and 804 Second Ave., Detroit, Mich.
- De LANCEY, Darragh (1891; 1908), 52 Pine St., Waterbury, Conn.
- DELANY, Charles H. (1907), Pac. Gas & Elec. Co., 445 Sutter St., and *for mail*, 2946 Pierce St., San Francisco, Cal.
- DE LANY, George S. (1912), Taylor & Fenn Co., Hartford, Conn., and 59 Corinne Rd., Brighton, Boston, Mass.
- DE LAVAL, Carl G. (1886), V. P., East Jersey Pipe Corp'n, V. P. Am. Shell Co., V. P., Intl. Steel & Ordnance Corp'n., Paterson, and *for mail*, 136 Highland Ave., Orange, N. J.
- DE LEEUW, Adolph L. (1901), M. E., The Singer Mfg. Co., Elizabethport, and *for mail*, 1024 Park Ave., Plainfield, N. J.
- *DE LEMOS, Frederick P. (Junior, 1917), 2nd Lieut., Inf. O. R. C., 11th Co., 18th Regiment, R. O. T. C., Plattsburg, and *for mail*, 824 St. Nicholas Ave., New York, N. Y.
- *DE LEMOS, Sidney P. (Associate-Member, 1914), Capt. E. C., U. S. R., Camp Lee, Va., and *for mail*, 824 St. Nicholas Ave., New York, N. Y.
- DEMAREST, D. C. (1917), Mgr., Angels Iron Wks., Angels Camp, and 1710 Walnut St., Berkeley, Cal.
- DEMAREST, Henry S. (Associate, 1914), Sales Mgr., Greene, Tweed & Co., 109 Duane St., New York, and *for mail*, 164 Fulton Ave., Hempstead, L. I., N. Y.
- DEMING, Wm. H. (1897), M. E., Continental Iron Wks., and 531 Eastern Parkway, Brooklyn, N. Y.
- DEMOREST, William J. (Junior, 1914), V. P., Mgr., The Park Ave. Operating Co., Inc., 527 Fifth Ave., and 226 W. 78th St., New York, N. Y.
- DEMPSEY, Harry B. (Associate-Member, 1914), Cons. Engr., 26 Cortlandt St., New York, and *for mail*, The Franklin, Jamaica, L. I., N. Y.

- DEMPSEY, Michael J. (Junior, 1916), Charge Mech. Drafting, Chase Metal Wks., and *for mail*, 197 Lincoln St., Waterbury, Conn.
- DEMPWOLF, Charles J. (Junior, 1915), M. E., Ch. Draftsman and Engr., James Craig Eng. and Mech. Wks., 807 Garfield Ave., Jersey City, N. J.
- DENLINGER, Benjamin G. (Associate-Member, 1916), Keller Mech. Engraving Co., 70 Washington St., and *for mail*, 712 8th Ave., Brooklyn, N. Y.
- DENMAN, Burt J. (1913), Asst. Genl. Mgr., United Light & Rys. Co., 125 W. 3d St., and 2432 Fulton Ave., Davenport, Ia.
- DENNIS, Basil W. (Junior, 1911), Asst. Supt. of Power, Ford Motor Co., and 1022 Cass Ave., Detroit, Mich.
- DENNIS, Frederick L. (Associate, 1916), U. S. Inspr. of Steam Vessels, U. S. Custom House, and *for mail*, 252 Ovington Ave., Brooklyn, N. Y.
- DENNISON, Wilburn N. (1905), Intl. Fabricating Corp'n, Wilkes-Barre, Pa., and 99 John St., New York, N. Y.
- DENNY, Omer (1914), Cons. Engr., 58 Sutter St., San Francisco, and 2115 Cedar St., Berkeley, Cal.
- DENSE, John C. (Associate-Member, 1916), Ch. Draftsman, Morrow Mfg. Co., and *for mail*, 558 Thompson St., Elmira, N. Y.
- DENSMORE, Edward D. (Associate, 1898), Engr., Arch., Densmore & LeClear, 88 Broad St., Boston, and 26 Downing Rd., Brookline, Mass.
- DENT, John A. (1911; Associate-Member, 1916), Assoc. M. E., Univ. of Ill., 307 Engrg. Hall, and 1103 W. Illinois St., Urbana, Ill.
- DENTON, James E. (1881), Life Member, Manager, 1889-1892; Prof. Emeritus of Engrg. Practice, Stevens Inst. of Tech., Hoboken, and 36 Ridgewood Rd., Maplewood, N. J.
- DEPELER, John H. (Associate-Member, 1915), Supt. Goldschmidt Thermit Co., 92 Bishop St., Jersey City, and 825 Boulevard, E., Weehawken, N. J.
- DE PUY, C. E. (1891; 1903), Prof. Mch. Constr., Lewis Inst., Chicago, and *for mail*, 411 N. Elmwood Ave., Oak Park, Ill.
- DE REMER, J. Grant (1913), Tech. Asst. Ship Protection Committee, U. S. Shipping Bd., 731 Munsey Bldg., and 2400 16th St., Washington, D. C.
- DE REVERE, Arthur W. (Junior, 1914), Genl. Sales. Mgr., The Green Fuel Economizer Co., 90 West St., New York, and 155 E. 22nd St., Brooklyn, N. Y.
- DERR, Ralph (1917), Mech. Exper. Div. Engrg. Dept., E. I. du Pont de Nemours & Co., Rm. 853 du Pont Bldg., Wilmington, Del.
- DERRY, Gardner C. (Junior, 1917), Sales Engr., B. F. Sturtevant Co., Hyde Park, Boston, and *for mail*, Sharon, Mass.
- DE SCHWEINITZ, P. B. (1880), Prof. Mch. Design, Lehigh Univ., and *for mail*, 313 Church St., Bethlehem, Pa.
- DETTE, Arthur E. L. (1916), Ch. Engr., Alan Wood, Iron & Steel Co., Conshohocken, and 220 E. Formance St., Norristown, Pa.
- DEVENS, Richard (1913), East Mgr. Brown Hoisting Mch. Co., 50 Church St., and 230 W. 76th St., New York, N. Y.
- DEVERELL, Harry (1911), Pres., Deverell, Spencer & Co., 514-515 Garrett Bldg., and 3401 Carlisle Ave., Baltimore, Md.
- DEVINE, Charles P. (Junior, 1916), V. P., J. P. Devine Co., and *for mail*, 1372 Clinton St., Buffalo, N. Y.
- DEVINE, Joseph P. (1917), Pres., J. P. Devine Co., 1372 Clinton St., and 957 Delaware Ave., Buffalo, N. Y.
- *DeVISSER, John H. (Associate-Member, 1915), Capt. O. D., Frankford Arsenal, Philadelphia, Pa.

- DEVRIES, R. P. (Associate-Member, 1917), Engr., Draftsman, Robert Sayre Kent, Inc., 50 Court St., Brooklyn, and 170 E. 61st St., New York, N. Y.
- DEW, Donald H. (Junior, 1916), Graphical Schedules, Ordnance Dept., U. S. A., and Canastota, N. Y.
- DeWOLF, John O. (1901), Mech., and Mill Engr., 19 Milk St., Boston, and 5 Edgehill Rd., Winchester, Mass.
- DeWOLF, Paul C. (Associate, 1915), Asst. Treas., Brown & Sharpe Mfg. Co., and 14 Cole Ave., Providence, R. I.
- *DeWOLF, Roger D. (1914), Lieut. 7th Div., 3d Bat., Naval Militia, N. Y., M. E., Rochester Ry. & Light Co., 34 N. Clinton Ave., and 292 Rosewood Terrace, Rochester, N. Y.
- DeWOLFE, Edward C. (1899; Associate, 1906), DeWolfe Catalog Serv., 608 S. Dearborn St., and 3561 Grand Blvd., Chicago, Ill.
- DEWSON, Edward H. (1889; 1898), Res. Engr., Westinghouse Air Brake Co., Res. Engr., Westinghouse Traction Brake Co., 165 Broadway, and 622 W. 114th St., New York, N. Y.
- DEXTER, Harris E. (Associate-Member, 1917), Lieut. 30th Engrs., Camp American University, Washington, D. C., and 410 Ashmond St., Dorchester, Mass.
- DE YOUNG, Herman (Junior, 1916), Foreman, Hopkins & Allen Arms Co., and *for mail*, 38 Oneco St., Norwich, Conn.
- DIAMANT, Sidney (1917), Owner-Pres., De Mant Tool & Mch. Co., 70 E. 130th St., New York, N. Y.
- DIAMOND, George A. (1914), Supt. Skandia Pacific Oil Eng. Co., and Madison Park Apts., Oakland, Cal.
- DICKERMAN, Albert C. (1911), Sayles Finishing Plants, and *for mail*, 1011 Smithfield Ave., Saylesville, R. I.
- DICKERMAN, William C. (1899; 1907), V. P., Am. Car & Fdy. Co., 165 Broadway, New York, N. Y.
- *DICKERSON, H. S. (1912), Capt., U. S. R., Prof. Mech. Engrg., Practical Mechs., Sch. of Mines, Univ. of Missouri, Box 623, and Main and Seventh Sts., Rolla, Mo.
- DICKERSON, Walter H. (1916), Secy., Plant Mgr., Muskegon Extract Co., Muskegon, Mich.
- DICKEY, Arthur J. (Associate-Member, 1915), Genl. Mgr., C. A. Dunham Co., Ltd., 1535 Davenport Rd., and 131 Indian Rd., Toronto, Ont., Canada.
- *DICKEY, Ralph L. (Junior, 1915), 2nd Lieut., U. S. A., Gun Div., 7th and E Sts., N. W., Washington, D. C., and 126 W. 104th St., New York, N. Y.
- DICKEY, George W. (1892), Manager, 1895-1898; Vice-President, 1914-1916; Cons. Engr., 24 California St., San Francisco, and 117 Grif-fith Ave., San Mateo, Cal.
- DICKINSON, Arthur R. (Associate, 1916), Mill Mgr., Lockwood, Greene & Co., Winnsboro Mills, Winnsboro, S. C.
- DICKINSON, Edgar D. (1913), Asst. Engr., Steam Turbines, Genl. Elec. Co., Schenectady, N. Y.
- DICKINSON, William N. (1906), Pres. Standard Plunger Elev. Co., 29 Broadway, New York, and 38 De Koven Court, Brooklyn, N. Y.
- DICKSON, Charles H., Jr. (Junior, 1916), Engrg. Dept., Natl. Sugar Refining Co. of N. J., Long Island City, N. Y., and 52 Summit Ave., Jersey City, N. J.
- DIEDERICH, Herman (1904; 1913), Prof. Exper. Engrg., Sibley College, Cornell Univ., and Cayuga Heights Rd., Ithaca, N. Y.
- DIEFENDORF, Willis H. (1904), Ch. Engr., New Process Gear Corp'n, 500 Plum St., and *for mail*, 203 Summit Ave., Syracuse, N. Y.
- *DIEMER, Hugo (1904), Maj. Ord., U. S. R., U. S. Cartridge Co., Lowell, and High St., Chelmsford Centre, Mass.

- DIEPENBROCK, Joseph F. (1912), Designing M. E., City of Chicago, 2001 City Hall Sq. Bldg., and *for mail*, 1848 Morse Ave., Rogers Park, Chicago, Ill.
- DIERMAN, William, (1915), Mgr. Purchasing Dept., Eclairage Electrique of Paris, 44 Whitehall St., and Hotel Vanderbilt, New York, N. Y.
- DIESCHER, Samuel E. (1915), Cons. Engr., S. Diescher & Sons, 2412 Farmers Bank Bldg., Pittsburgh, and 412 Ross St., Wilkesburg, Pa.
- DIETER, William (1917), Torpedo Engr., E. W. Bliss Co., 53rd St., and *for mail*, 509 Van Buren St., Brooklyn, N. Y.
- *DIETRICH, Fred C. (Junior, 1917), Machinist's Mate, 2nd Class, Nav. Coast Def. Res., Asst. Ch. Engr., Fageol Motors Co., 107th and Hollywood Blvd., and *for mail*, Elks' Club, 420 14th St., Oakland, Cal.
- DIETZ, Carl F. (1903; 1910), Sales Mgr., Norton Co., and *for mail*, 8 Westland St., Worcester, Mass.
- DILCHER, Harry J. (Junior, 1916), Engr. of Tests, Harrisburg Pipe & Pipe Bending Co., and *for mail*, 99 N. 17th St., Harrisburg, Pa.
- DILL, Thomas C. (1913), Pres. T. C. Dill Mch. Co., Inc., Somerset and Mascher Sts., and 2834 N. 6th St., Philadelphia, Pa.
- DILLEY, Jesse R. (Junior, 1917), Corn Products Refining Co., 213 E. Illinois St., and *for mail*, 3652 W. 61st Pl., Chicago, Ill.
- DILLON, Edward L. (1909), M. E., Fairbanks, Morse & Co., 8th and Clark Ave., and 3867 Page Blvd., St. Louis, Mo.
- DILLON, Frederick N. (1902), Treas., D. M. Dillon Steam Boiler Wks., and 16 Prospect St., Fitchburg, Mass.
- DILLON, Robert E. (Junior, 1912), Asst. Supt. Generating Dept., Edison Elec. Ill. Co., of Boston, 39 Boylston St., Boston, Mass.
- DIMAN, George H. (1904), Cons. Engr., Wood Worsted Mill, Lawrence, and *for mail*, 62 Bailey St., South Lawrence, Mass.
- DIMAN, Walter G. (1909), Supt. of Power, Amoskeag Mfg. Co., and 717 Pine St., Manchester, N. H.
- DINGEE, W. W. (1886), Ret. M. E., 5811 Dorchester Ave., Chicago, Ill.
- DINKEL, Geo. (1890; 1897), Ch. Engr., Am. Sugar Refining Co., 117 Wall St., New York, N. Y., and *for mail*, 35 Highland Ave., Jersey City, N. J.
- DINKEY, A. C. (1902), Pres., Midvale Steel Co., 1614 Widener Bldg., Philadelphia, and Bryn Mawr, Pa.
- DINSMORE, Arthur T. (Junior, 1917), Supt. Klearflax Linen Rug Co., and *for mail*, 4817 W. 5th St., Duluth, Minn.
- DINWIDDIE, William W. (1915), Mgr. Disc Record Div., Thomas A. Edison, Inc., Orange, and *for mail*, 32 Edsonia Terrace, West Orange, N. J.
- DIRKS, Henry B. (1907; Associate-Member, 1916), Asst. Prof. C. E., Princeton Univ., and *for mail*, 80 Jefferson Rd., Princeton, N. J.
- DISERENS, Paul (1908; 1916), Engr. of Tests, Worthington Pump and Mch. Corp'n, Laidlaw Wks., Elmwood Place, Cincinnati, and *for mail*, Wilhelm Apt., Avondale, Cincinnati, O.
- DISMUKES, Albert R. (Junior, 1917), Efficiency Engr., The Emerson Co., 30 Church St., New York, N. Y., and 1909 Broadway, Nashville, Tenn.
- DISSEL, Theodore A. (1916), Pres., Cameron Appliance Co., 48 Waters Ave., Everett, and 56 Summit Rd., Medford, Mass.
- DISSTON, William D. (Junior, 1916), Third V. P., Henry Disston & Sons, Inc., Tacony, and Chestnut Hill, Philadelphia, Pa.
- DIVINE, Bradford H. (Associate, 1917), Pres., Divine Bros. Co., 102 Whitesboro St., Utica, N. Y.
- DIXON, Charles F. (1903; 1911), Supt. River Sta., Buffalo Genl. Elec. Co. Elec. Bldg., Buffalo, and *for mail*, 75 1202 Ave. N. Brooklyn, N. Y.

- DIXON, J. Alfred (1916), V. P., Safety Car Heating & Lighting Co., V. P., Mgr. Pintsch Compressing Co., 2 Rector St., New York, N. Y., and 117 N. Walnut St., East Orange, N. J.
- DIXON, Robert M. (1884), Pres., Safety Car Htg. & Ltg. Co., 2 Rector St., New York, N. Y., and 21 Walnut St., East Orange, N. J.
- DIXON, Wallace C. (Junior, 1916), Draftsman, New London Ship & Eng. Co., and *for mail*, Y. M. C. A., New London, Conn.
- DIXON, Walter F. (1889; 1894), Life Member; Mgr., Singer Mfg. Co.'s Wks., Podolsk, Moscow Govt., Russia.
- DOAN, James B. (Associate, 1917), Pres., Genl. Mgr., The American Tool Wks. Co., and 3852 Dakota Ave., Avondale, Cincinnati, O.
- DOBLE, Ralph N. (Associate-Member, 1914), M. E., Pneu. Scale Corp., Ltd., Norfolk Downs, and 24 South St., Quincy, Mass.
- DOBLE, William A. (1891), Ch. Engr., Pelton Water Wheel Co., 350 Folsom St., and *for mail*, 190 Sea Cliff, San Francisco, Cal.
- DOBSON, Frank (1906), 319-321 E. 53d St., New York, N. Y.
- DOBSON, Wm. J. M. (1881), Life Member; Cons. Engr., 398 Adelphi St., Brooklyn, N. Y.
- DOBYNE, Stevenson A. (Associate-Member, 1915), Genl. Supt., Champion Shoe Mch. Co., 3727 Forest Park Blvd., and 1476-A Shawmut Pl., St., Louis, Mo.
- DOCK, Herman (1889), Ch. Engr., Am. Rotary Power Co., 176 Federal St., Boston, Mass., and *for mail*, Westerly, R. I.
- DOD, Frederic H. (1917), Loco. Supt., Manila. R. R. Co., Manila, P. I.
- DODDS, Wm. E. (1891), Genl. Mgr., Stand. Cast Iron Pipe & Fdy. Co., Bristol, Pa.
- DODGE, Albert (1913), Mem. of Firm, Shore & Dodge, 608 Chestnut St., and Normandie Hotel, Philadelphia, Pa.
- DODGE, Albert C. (1908), Genl. Supt., West Elec. Co., Norwalk House, Victoria Embankment, London, England.
- DODGE, Austin R. (1907), Engr., Genl. Elec. Co., Schenectady, N. Y.
- DODGE, Frederick H. (1914), Treas., The Milburn Wagon Co., and 2529 Monroe St., Toledo, O.
- DODGE, Horace E. (1915), V. P., Genl. Mgr., Dodge Bros., Detroit, and Grosse Pointe, Mich.
- DODGE, Irving B. (1914), Designer, Lombard Governor Co., and *for mail*, P. O. Box 256, Ashland, Mass.
- DODGE, James S. (Associate, 1916), Secv., Genl. Mgr., Sypho-Chem. Sprinkler Corp., V. P., Automatic Sprinkler Co. of Amer., Ltd., Dir., Universal Chem. Sprinkler Corp., Room 706, 123 William St., and 240 Riverside Drive, New York, N. Y.
- DODGE, John F. (1914), Partner, Dodge Bros., Detroit, Mich.
- DODGE, Kern (1902; 1912), Cons. Engr., Morris Bldg., Philadelphia and 5135 Pulaski Ave., Germantown, Philadelphia, Pa.
- *DODGE, Parker Van P. (Associate, 1915), 1st Lieut. O. D., N. A., 724 Ninth St., N. W., and 134 B. St., N. E., Washington, D. C.
- DOELLING, Louis K. (1906), Genl. Mgr., De La Vergne Mch. Co., foot E. 138th St., New York, and *for mail*, 26 Colonial Pl., New Rochelle, N. Y.
- DOHERTY, Henry L. (1903), Pres., Denver Gas & Elec. Co., 60 Wall St., New York, N. Y.
- DOLAN, George F. (Junior, 1916), Insp., The Panama Canal, Washington, D. C., and *for mail*, 1108 Garden St., Hoboken, N. J.
- DOLE, Ira B. (Junior, 1914), Agt. Federal Creosoting Co., Bayonne, N. J., and 67 W. 45th St.
- D'OLIER, William L. (1911), Pres., D'Olier Centrifugal Pump & Mch. Co., Morris Bldg., and 1533 Girard Ave., Philadelphia, Pa.

- *DOLL, William E. (Associate-Member, 1917), Lieut. 35th Engrs., U. S. R., Camp Grant, Rockford, Ill., and 859 Emerson Ave., Denver, Colo.
- DOLLAR, William M. (1896: 1903), Cons. Engr., 1435 Marine Bank Bldg., Buffalo, and Springbrook, N. Y.
- DOMONOSKE, Arthur B. (1912; Associate-Member, 1914), Farming, Willow, Glenn Co., Cal.
- DONALDSON, Harold R. (Junior, 1913), Spec., Apprentice, Pa. R. R., Clinton and Babcock Sts., and *for mail*, 250 Richmond Ave., Buffalo, N. Y.
- DONALDSON, Stuart A. (1909; Associate-Member, 1916), Asst., Ch. Engr., Kirkman & Son, 215 Water St., Brooklyn, N. Y., and *for mail*, 106 Donaldson Ave., Rutherford, N. J.
- DONATH, William T. (Junior, 1916), Asst. to Supt. of Production, Remington Arms Union Metallic Cartridge Co., and *for mail*, 31 Garden St., Pawtucket, R. I.; also B. Co., 304th Infantry, Camp Devens, Mass.
- DONNELLY, James A. (1911), Pres., and Genl. Mgr., Positive Differential System Co., 9 Murray St., New York, and 1508 Pacific St., Brooklyn, N. Y.
- DONNELLY, William T. (1903), Cons. Engr., 17 Battery Pl., New York, and 808 E. 18th St., Brooklyn, N. Y.
- DONOVAN, Philip L. (Junior, 1917), Pur. Agt., Bloedel Donovan Lumber Mills, and 2321 Lynn St., Bellingham, Wash.
- DONOVAN, William J. (Associate-Member, 1913), Supt. Ch. Engr., Hotel Manhattan, 17 E. 42d St., New York, N. Y.
- DONOVAN, William P. (1916), Genl. Supt., Gasoline Dept., Gypsy Oil Co., Clinton Bldg., and *for mail*, 1203 S. Cheyenne Ave., Tulsa, Okla.
- DOOLITTLE, Harold L. (1910: 1916), Asst. Constr. Engr., So. Cal. Edison Co., 329 San Fernando Bldg., Los Angeles, and *for mail*, 127 N. Catalina Ave., Pasadena, Cal.
- DOOLITTLE, Warren P. (1912; Associate-Member, 1914), Ch. Designer Shoe Hardware Div., U. S. Rubber Co., Waterbury, and *for mail*, 130 S. Main St., Naugatuck, Conn.
- DORER, Oscar H. (Junior, 1912), Engrg. Dept., Henry R. Worthington, Harrison, and *for mail*, 145 Isabella Ave., Newark, N. J.
- DORMAN, Neal W. (Junior, 1913), Meh. Designer, Toledo Meh. & Tool Co., Dorr and Hastings St., and *for mail*, R. F. D. 9, West Toledo, O.
- DORNBIRER, James G. (1913), Genl. Mgr., Cleveland Planer Wks., 3148 Superior Ave., and 548 E. 112th St., Cleveland, O.
- D'ORNELLAS, T. V. (Associate, 1907), Cons. Engr., 15 Calle de Lima, Chorrillos, Peru, South America.
- DORNER, Frederick H. (1907: 1911), M. E., 743 Wells Bldg., Milwaukee, Wis., and 716 Prospect Ave.
- DORON, William H. (Associate-Member, 1916), Marden, Orth & Hastings, Newark, N. J., and *for mail*, 682 St. Johns Place, Brooklyn, N. Y.
- DORRANCE, George W. (Junior, 1917), 9 Courtlandt Pl., Houston, Tex.
- DORSEY, Walter A. (1917), Engr. and Metallurgist, The Bonney Floyd Co., and *for mail*, 925 S. 22nd St., Columbus, O.
- DORWARD, David, Jr. (1910), Cons. Engr., 16 California St., San Francisco, Cal., and 5900 Elsie Ave., Oakland.
- DOTEN, Wm. L. (1917), M. E., The Lamson Co., 100 Boylston St., Boston, and *for mail*, 80 Radcliffe St., Dorchester, Mass.
- *DOTY, Paul (1891: 1904), Maj., E. O. R. C., V. P., Genl. Mgr., St. Paul Gas Light Co., 159 E. 6th St., and 427 Portland Ave., St. Paul, Minn.
- *DOUD, Willard (1910), Lieut. (Jr. Grade), U. S. N. R. F., Cons. M. and E. E. 440-5 Old Colony Bldg., and 7443 Coles Ave., Chicago, Ill.

- DOUGHERTY, John H. (Junior, 1914), Erie Pump & Equip. Co., 237 W. 19th St., and *for mail*, 263 W. 21st St., Erie, Pa.
- DOUGHTY, A. J. (1902), 45 Virginia Park, Detroit, Mich.
- DOUGHTY, John H. (1914), M. E., Lehigh & Wilkes-Barre Coal Co., 16 S. River St., Wilkes-Barre, and *for mail*, 1720 Wyoming Ave., Forty Fort, Pa.
- DOUGHTY, Wm. F. (1899; 1915), M. E., 17 Beech St., Flushing, L. I., N. Y.
- DOUGLAS, Courtney C. (1904; 1908; 1913), Com. Engr., 1016 Monadnock Bldg., Chicago, and *for mail*, 800 N. Elmwood Ave., Oak Park, Ill.
- DOUGLAS, Edwin R. (1912), Cons. Specialist in Factory Management and Costs, Philadelphia, and *for mail*, Glenside, Pa.
- DOUGLAS, Morris D. (Junior, 1913), Asst. Engr., Han-Yeh-Ping Coal & Iron Co., Hanyang, China, and 222 S. 2nd St., Clearfield, Pa.
- DOURSON, Louis A. (Associate-Member, 1916), 2700 Alice St., Cincinnati, O.
- DOW, Alex. (1895), Vice-President, 1906-1908; Pres., Genl. Mgr., The Detroit Edison Co., 18 Washington Ave., and 50 Garfield Ave., Detroit, Mich.
- DOW, Benjamin W. (1911; Associate-Member, 1917), M. E., The Elbert Clarke Co., 907 Chamber of Commerce Bldg., Rochester, N. Y.
- DOW, Herbert W. (1917), Sales Mgr., Norberg Mfg. Co., and *for mail*, 2915 Wells St., Milwaukee, Wis.
- DOWD, Bernard J. (1913; 1916), Supvr. of Planning, Royal Typewriter Co., Inc., and *for mail*, 1056 Blvd., Hartford, Conn.
- DOWD, John H. (Associate-Member, 1914), Asst. to Mfg. Engr., Winchester Repeating Fire Arms Co., 275 Winchester Ave., and *for mail*, 104 Lake Pl., New Haven, Conn.
- DOWD, Wyllys E., Jr. (1911), 111 Broadway, New York, N. Y.
- DOWNE, Henry S. (1886), Administrator, Compagnie Nationale des Radiateurs, 149 Blvd. Haussmann, Paris, France.
- DOWNES, Nate W. (1911; Associate-Member, 1916), M.E., Kansas City Sch. Dist., 217 Pub. Library Bldg., and 1007 E. 42nd S., Kansas City, Mo.
- DOWSON, Harry R. (1916; Associate-Member, 1917), Draftsman, United Engrg. & Fdy. Co., Farmers Bank Bldg., Pittsburgh, and *for mail*, 368 McKee Pl., Oakland, Pittsburgh, Pa.
- DOWST, F. B. (1892), West Roxbury, Boston, Mass.
- DOYING, William A. E. (1907), Inspg. Engr., The Panama Canal, 1709 G. St., N. W., and 3220 17th St., Washington, D. C.
- DOYLE, Bartholomew M. (Associate-Member, 1917), Ch. Engr., Conn. Light & Power Co., Waterbury Turbine Sta., and *for mail*, 301 Willow St., Waterbury, Conn.
- DOYLE, Joseph A. (1914; Associate, 1917), W. S. Rockwell Co., 50 Church St., New York, N. Y.
- *DOYLE, Martin A. (1915), 2nd Lieut. of Engrs., U. S. Coast Guard Cutter "Penrose," and 1023 N. Spring, Pensacola, Fla.
- DOYLE, William L. H. (Junior, 1916), De La Vergne Mch. Co., and *for mail*, 1640 University Ave., New York, N. Y.
- DRAKE, Charles F. (1914), The Babcock & Wilcox Co., 1207 Marquette Bldg., Chicago, Ill.
- DRAKE, Robert W. (Associate-Member, 1917), Steam and E. E., Internatl. Harvester Co. of N. J., 26th & Western Ave., and *for mail*, 2755 W. Jackson Blvd., Chicago, Ill.
- DRAKE, Warren C. (1917), M. E., Westinghouse Elec. & Mfg. Co., 165 Broadway, New York, and *for mail*, 26 Jefferson St., Inwood, L. I., N. Y.

- DRAGO, Geo. P. (1899; 1906), Pres., Drago Co., 1226 First Natl. Bank Bldg., and R. N. 6, Box 331, Sta. C, Milwaukee, Wis.
- DREFFEIN, Henry A. (1913), Pres., Flinn & Dreffein Co., 1403 Manhattan Bldg., Chicago, and 310 S. Lombard Ave., Oak Park, Ill.
- DRESES, Henry (1914), Prop., Mgr., Dreses Mch. Tool Co., 227 W. McMicken Ave., Cincinnati, and 259 Greendale Ave., Clifton, Cincinnati, O.
- *DRESSLER, L. Richard (Junior, 1917), 1st Lieut., O. D., Carriage Div., O. R. C., Inspr., Am. Arch Co., 30 Church St., New York, N. Y.
- *DREW, William N. (Junior, 1914), 2nd Lieut. 323rd F. A., and *for mail*, University Club, Akron, O.
- DREWETT, William A. (1888), Supt. M. T. Davidson Co., 43-53 Keap St., and *for mail*, 180 Quincy St., Brooklyn, N. Y.
- DREYER, Elmer J. (Junior, 1916), Steam Expt., Ill. Steel Co., and *for mail*, 7938 Brandon Ave., Chicago, Ill.
- DREYFUS, Edwin D. (1905; 1911), Cons. Engr., 14 N. High St., and 1704 Bryden Rd., Columbus, O.
- DRIVER, Arthur (Junior, 1913), M. E., Curtis Aeroplane and Motor Corp., 65 Churchill St., and *for mail*, 24 Greenfield St., Buffalo, N. Y.
- DROBISCH, Raymond W. (Junior, 1917), Aero. Exper. Dept., Goodyear Tire & Rubber Co., Akron, O.
- DRUMMOND, Robert S. (Associate, 1917), Genl. Mgr., V. P., Detroit Steel Products Co., 2250 E. Grand Blvd., and *for mail*, 2877 W. Grand Blvd., Detroit, Mich.
- DU BARRY, Ed. G. (Junior, 1910), Draftsman, Wabash Pittsburgh Terminal Ry. Co., Rook, and *for mail*, 5860 Marlborough St., Pittsburgh, Pa.
- DU BOSQUE, F. L. (1892), Supt. Floating Equipment, Pa. R. R. Pa. Sta., New York, and Great Neck Station, L. I., N. Y.
- DU BRUL, Ernest F. (Associate, 1900), Pres., Pyro Clay Products Co., 507 E. Pearl St., and 835 Beecher St., Cincinnati, O.
- DUCAS, Charles (Junior, 1903), Cons. Engr., 30 Church St., and 427 Fort Washington Ave., New York, N. Y.
- DU COMB, William C., Jr. (1913), Auto. Materials & Transmission Equip., Kerr Bldg., and 339 Clairmount Ave., Detroit, Mich.
- DUCOMMUN, Edwd. (1898; 1903), Ch. Engr., Am. Sugar Refining Co., and *for mail*, 179 Harrison Ave., Jersey City, N. J.
- DUDEN, Emil G. (Junior, 1907), Ch. Engr., W. B. Scaife & Sons Co., Oakmont, Pa.
- DUDLEY, Samuel W. (1904; 1916), Ch. Engr., Westinghouse Air Brake Co., Wilmerding, and *for mail*, 415 Locust St., Edgewood Park, Pittsburgh, Pa.
- DUFF, Howard (Associate-Member, 1915), Supt. Power, Lehigh Valley Transit Co., Front and Linden Sts., and *for mail*, 114 S. 17th St., Allentown, Pa.
- DUFTY, Arthur (1915), M. E., Supt. of Bldgs., Purdue Univ., Lafayette, and 861 N. Main St., West Lafayette, Ind.
- DUGDALE, Richard M. (1916), Supvr., Remington Arms & Ammunition Co., and *for mail*, Steele St., Mohawk, N. Y.
- DULL, Raymond W. (1908), Pres., The Raymond W. Dull Co., 1910 Conway Bldg., Chicago, and *for mail*, 133 S. 6th Ave., La Grange, Ill.
- DU MOULIN, Walter L. (1911; 1913; 1917), M. E., Andes Copper Min. Co., Chanaral, Chile, S. A.

- DUNBAR, Harold F. (1916), M. E., Keith Paper Co., Turners Falls, Mass.
- DUNBAR, Howard W. (1917), Asst. Ch. Engr., Norton Grinding Co., and *for mail*, 12 Clark St., Worcester, Mass.
- DUNBAR, James H. (1907), Ch. Engr., The Grasselli Chem. Co., and 2062 E. 90th St., Cleveland, O.
- DUNBAR, Robert H. (Junior, 1917), M. E., Am. Tube & Stamping Co., and *for mail*, 46 Rose St., Bridgeport, Conn.
- DUNBAR, William O. (1904), Asst. Engr. Test Dept., Pa. R. R., and 1216 13th St., Altoona, Pa.
- DUNCAN, Albert G. (1909), Treas., Harmony Mills, 77 Franklin St., P. O. Box 1895, Boston, Mass.
- DUNCAN, Harold M. (1917), Managing Dir., Lanston Monotype Corp'n, Ltd., Salfords Wks., Surrey, and 43-43A Fetter Lane, London, E. C., England, and *for mail*, 1201-1202 North Am. Bldg., Philadelphia, Pa.
- DUNCAN, Harry L. (1913), Pat. Lawyer, Cons. Engr., Rms. 2407-2408, 55 Liberty St., New York, N. Y., and Mahwah, N. J.
- *DUNCAN, John C. (1914), Capt. Q. M. U. S. R., Dir. Quartermaster Corps. Sch., U. S. A., Camp Joseph Johnston, Jacksonville, Fla., and 2526 S. 20th St., Philadelphia, Pa.
- DUNCAN, Lindsay (1912), M. E., Nev. Consld. Copper Co., McGill, Nev.
- DUNCAN, William M. (1911), V. P., Ill. Stoker Co., Alton, Ill.
- DUNHAM, Byron W. (1914), Edgewater Co., Oakmont, Allegheny Co., Pa.
- DUNHAM, George W. (1908), Cons. Engr., 868-874 Woodward Ave., Detroit, Mich.
- DUNHAM, Walter E. (1914), Asst. to Genl. Supt. M. P. and Car Depts., Chicago & North West. Ry. Co., Kinzie and N. Keeler Sts., Chicago, Ill., and 5825 Midway Park.
- DUNKIN, William Van (1909), Ch. Draftsman Exper. Dept., Deere & Co., and *for mail*, 1656 30th Ave., Moline, Ill.
- DUNKLE, H. Edw. (1907; 1915), M. E., Semet-Solvay Co., and *for mail*, Solvay Club House, Syracuse, N. Y.
- DUNLAP, George W. (1911), Supt. of Power and Equip., Internatl. Ry. Co., Cold Springs Shops, and 743 Amherst St., Buffalo, N. Y.
- DUNLEVY, D. W. (1916), Genl. Supt., Colonial Steel Co., Keystone Bldg., Pittsburgh, Pa.
- DUNLOP, William C. (1914), M. and E. E., Barclay Parsons & Klapp, 60 Wall St., New York, and 95 Shonnard Pl., Yonkers, N. Y.
- DUNN, Chas. W. (1897), Asst. Mgr., Robert W. Hunt & Co., 90 West St., New York, and *for mail*, 372 E. 19th St., Brooklyn, N. Y.
- DUNN, Edward L. (1913), Stand. Plunger Elev. Co., and *for mail*, 21 Catalpa St., Worcester, Mass.
- DUNN, Gano (1911), Life Member; Pres., J. G. White Engrg. Corp., 43 Exch. Pl., and *for mail*, 117 W. 58th St., New York, N. Y.
- DUNN, J. Jay (1917), Mgr., Natnl. Tube Co., and 200 Fountain Ave., Ellwood City, Pa.
- DUNN, Kingsley G. (Associate, 1907), V. P., Hunt, Mirk & Co., Inc., 141 Second St., San Francisco, Cal.
- DUNN, Lester S. (Junior, 1916), Engrg. Dept., Brighton Mills, and *for mail*, 279 Paulison Ave., Passaic, N. J.
- DUNN, William R. (1910), Wks. Mgr., Vulcanite Portland Cement Co., Easton, Pa., and Philipsburg, N. J.
- DUNTON, Philip R. (Associate-Member, 1915), Supt., Municipal Water and Light Plant, 220 Grand Ave., Ponca City, Okla.
- DU PONT, Coleman (1906), Wilmington, Del.
- DU PRIEST, John R. (1911), Prof. Steam and Gas Eng. Design, Rensselaer Poly. Inst., Troy, N. Y.

- DURAM, Arthur E. (1916), Pres., Ch. Engr., The N. Y. Steam Co., 280 Madison Ave., New York, and 50 Leighton Ave., Yonkers, N. Y.
- DURAND, Nelson C. (1889), V. P., Div. Mgr., Thomas A. Edison, Inc., Orange, and 380 Roseville Ave., Newark, N. J.
- DURAND, Wm. F. (1883), Vice-President, 1911-1913; Natl. Advisory Com. for Aeronautics, Munsey Bldg., Washington, D. C., Prof. M. E. Leland Stanford Jr. Univ., Stanford University P. O., Cal.
- DURANT, Aldrich (1906; 1913), MacArthur Bros. Co., 120 Broadway, and *for mail*, 129 E. 82nd St., New York, N. Y.
- DURBAN, Thomas E. (1912), Chairman, Am. Uniform Boiler Law Soc., 315 Commerce Bldg., and Box 385, Erie, Pa.
- DURBIN, Fletcher M. (1916), Dir., Asst. Genl. Mgr., Sefton Mfg. Co., 1301 W. 35th St., and 1449 Astor St., Chicago, Ill.
- DURFEE, Walter C. (1908; 1913), Cons. and Mfg. Chem., Winthrop C. Durfee, 516 Atlantic Ave., Boston, and *for mail*, 8 Parley Vale, Jamaica Plain, Mass.
- DURLEY, Richard J. (1899), 4 Beaver Hall Sq., and 20 Summerhill Ave., Montreal, Que., Canada.
- DURR, George E. (Associate-Member, 1917), Engr., 2200 Canal St., New Orleans, La.
- DURR, Herbert A. (1916), Cons. Engr., M. E., Schmidt, Garden & Martin, 104 S. Michigan Ave., and 1417 E. 56th St., Chicago, Ill.
- DURWARD, E. Stanley (Associate-Member, 1915), Asst. Field Supt., Shell Co. of Cal., 343 Sansom St., and care Shell Co. of Cal., Oil Fields, Fresno Co., Cal.
- DURYEE, Andrew B. (1916; Associate-Member, 1917), M. E., Gerstenderfer Bros., 231 E. 42nd St., New York, and *for mail*, 39 Liberty Ave., New Rochelle, N. Y.
- DUSENBERY, Henry (Associate-Member, 1916), Sales Engr., Thos. A. Ford Co., Inc., 407 Broome St., New York, N. Y., and *for mail*, 22 Fairmont Terrace, Jersey City, N. J.
- DUSOSSOIT, Octave (Associate, 1911), Taylor Instrument Co., 141 Milk St., Boston, and *for mail*, 156 Mason Terrace, Brookline, Mass.
- DUVENECK, Francis B. (Junior, 1913), Mech. Dept., Merrimack Mfg. Co., and *for mail*, 109 Sherman St., Lowell, Mass.
- DUVIC, Frank R. (Junior, 1916), Overseer, U. S. Engr. Office, 519 Canal St., and 323 Morgan St., New Orleans, La.
- DU VILLARD, Henry A. (1884), M. E., 173 George St., East Side Sta., Providence, R. I.
- Du VIVIER, Ernest H. (1914), 30 Church Street, New York, N. Y.
- DWIGHT, Ralph W. (Junior, 1913), M. E. Elk Tanning Co., Ridgeway, Pa.
- DWYER, Emmet (Junior, 1907), V. P., Factory Mgr., The Mich. Stove Co., and 1022 Jefferson Ave., Detroit, Mich.
- DYE, Ira W. (Associate-Member, 1913), Night Supt., Weir Frog Co., Cincinnati, and *for mail*, The Argyle, Slane Ave., South Norwood, O.
- DYER, Frank L. (Associate, 1901), Expt. in Patent Causes, 55 Liberty St., New York, N. Y., and Head of Parkhurst Pl., Montclair, N. J.
- DYER, Percy A. (Associate-Member, 1916), Rm. 2009, 120 Broadway, New York, and *for mail*, 504 8th St., Brooklyn, N. Y.
- DYER, Robert A. (1908), Niagara, Lockport and Ontario Power Co., Lyons, and 2 Sheridan St., Auburn, N. Y.
- DYER, Robert M. (1892; 1904), V. P., Treas., Puget Sound Bridge & Dredging Co., 811 Central Bldg., and 3002 Cascadia Ave., Seattle, Wash.
- DYER, William J. (1912), Cons. Engr., 3005 Claremont Ave., Berkeley, Cal.

- DYETT, Frank J. (1916), Mgr., The Frank J. Dyett Co., 73 John St., Iliion, N. Y.
- DYGERT, Charles B. (1917), Equip. Engr., Remington Arms Union Metallic Cartridge Co., Inc., Main St., and *for mail*, 214 John St., Iliion, N. Y.
- DYSON, Eugene E. (Junior, 1913), Mech. Draftsman, New Britain Mch. Co., and *for mail*, 16 Osgood Ave., New Britain, Conn.
- EADIE, John G. (1917), Mem. of Firm, Eadie, Freund & Campbell, 7 W. 45th St., New York, N. Y., and 89 W. 36th St., Bayonne, N. J.
- EAGAN, Henry E. (Associate-Member, 1916), Ch. Engr., Harris Granite Quarries Co., Salisbury, N. C.
- EAGER, William G. (1913; Associate-Member, 1914), Second V. P., Genl. Mgr., Valdosta Ltg. Co., Valdosta, Ga.
- EALES, William P. (Associate, 1917), Asst. Supt. Engrg. and Inspc. Div., Travelers Ins. Co., 700 Main St., Hartford, Conn.
- EARL, Ralph (Junior, 1916), Asst. Engr., Morris Knowles, Inc., Jones Law Bldg., and 131 Robinson St., Pittsburgh, Pa.
- EARLE, Frederic E. (Associate-Member, 1915), Pres., Treas., F. E. Earle Co., 50 N. 2d St., New Bedford, and 30 North St., Fairhaven, Mass.
- EARLE, Samuel B. (1905; 1908; 1914), Dir. Engrg. Dept., Prof. M. E. Clemson Agri. College, Clemson College, S. C.
- EARLL, Charles I. (1892), 11 Broadway, New York, N. Y., and *for mail*, 142 Susquehanna Ave., York, Pa.
- EASBY, Francis H. (1888), 3316 Powelton Ave., Philadelphia, Pa.
- EASON, John J. (1916), Genl. Supt., Havana Marine Rys., Inc., San Pedro No. 2 Altos, Havana, Cuba.
- EASTHOPE, Joseph (1906), M. M. South Wks., Ill. Steel Co., and *for mail*, 7534 Saginaw Ave., Chicago, Ill.
- EASTMAN, Robert L. (Junior, 1916), Ingersoll-Rand Co., Painted Post Plant, and *for mail*, Imperial Club, Painted Post, N. Y.
- EASTMAN, Samuel G. (Associate, 1914), West. Sales Mgr., Pratt & Whitney Co., 16 Fremont St., San Francisco, and 1749 Tacoma Ave., Berkeley, Cal.
- EASTON, Lynn B. (Associate, 1916), Sales Engr., Henry R. Worthington, 701 Laclede Gas Bldg., and *for mail*, 5929 McPherson Ave., St. Louis, Mo.
- EASTWOOD, Everett O. (1915), Prof. M. E., Univ. of Wash., and 4702 12th Ave., N. E., Seattle, Wash.
- EASTWOOD, Sidney K. (Junior, 1913), Erecting Dept., Am. Bridge Co., 1526 Frick Bldg., Pittsburgh, Pa.
- EATON, Charles E. (1905), Eaton & Brownell, 306-307 New Sherman Bldg., and 1157 State St., Watertown, N. Y.
- EATON, George M. (1917), Engr. Ry. Div., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 6823 Thomas Blvd., Pittsburgh, Pa.
- *EATON, Philip B. (Junior, 1916), 2nd Lieut. of Engrs., U. S. Coast Guard, Naval Air Sta., Montauk, N. Y.
- EATON, Russell W. (1894), Agt., Cabot Mfg. Co., and 17 Federal St., Brunswick, Me.
- EAYRS, Thomas C. (Junior, 1905), Steere Engrg. Co., Woodward and Horton Aves., and *for mail*, 170 Harper Ave., Detroit, Mich.
- EBEN, Leon A. (Associate-Member, 1917), 2d Lieut. 105th Infantry, U. S. A., and 609 W. 137th St., New York, N. Y.
- EBERHARDT, Frank E. (Junior, 1907), V. P., Treas., Newark Gear Cutting Mch. Co., 69 Prospect St., and 61 Hedden Terrace, Newark, N. J.
- EBERHARDT, Frederick L. (1899; 1902), Pres., Genl. Mgr., Gould & Eberhardt, and *for mail*, 17 Hillside Ave., Newark, N. J.

- EBERHARDT, H. Ezra (Junior, 1913), Secy., Gould & Eberhardt, Chancellor Ave., Irvington, and *for mail*, Mountain View Terrace, Maplewood, N. J.
- EBERHARDT, Henry J. (1902; 1906; 1913), Secy., Newark Gear Cutting Mch. Co., 69 Prospect St., and 326 Sanford Ave., Newark, N. J.
- EBERHARDT, John D. (Junior, 1916), M. E., French River Textile Co., Mechanicsville, Conn., and 248 Gray St., Arlington, Mass.
- ECHOLS, Francis G. (1913), Mgr. Small Tools Dept., Pratt & Whitney Co., and 35 Walbridge Rd., Hartford, Conn.
- ECKART, William R. (1904), Prof. M. E., Leland Stanford Jr. Univ., Stanford University, and *for mail*, 1445 Bryant St., Palo Alto, Cal.
- ECKERT, Arthur C. (Associate-Member, 1913), Pat. Lawyer, 702-6 Title Guaranty Bldg., and 3906 Palm St., St. Louis, Mo.
- ECKFELDT, John J. (1913), Supt. Inter Ocean Wks., Ry. Steel-Spring Co., and 47 W. 21st St., Chicago Heights, Ill.
- *EDDISON, W. Barton (Junior, 1913), Lieut., (J. G.) U. S. N. R. F., U. S. A., and *for mail*, Ardsley-on-Hudson, N. Y.
- *EDDY, Benjamin S. (Junior, 1917), 1st Lieut., Engrs. Corps, U. S. R., and *for mail*, 2420 N. Meridian St., Indianapolis, Ind.
- EDDY, Harold F. (Associate-Member, 1915), M. E., Consumers Power Co., and *for mail*, 107 S. Blackstone St., Jackson, Mich.
- *EDE, Albert B. (Junior, 1917), 2nd Lieut., C. A. C., U. S. A., Amer. Exped. Force, France, and Cobden, Ill.
- EDGAR, Charles L. (1910), Pres., Genl. Mgr., Edison Elec. Ill. Co. of Boston, 70 State St., Boston, and 259 Kent St., Brookline, Mass.
- EDGAR, Osmer N. (Junior, 1917), Engr-in-Charge Industrial Dept., Chamber of Commerce, Chronicle Bldg., and *for mail*, P. O. Box 1388, and 3915 Austin St., Houston, Tex.
- EDGERTON, Lloyd B. (Associate-Member, 1913), M. E., Philadelphia Quartz Co., 121 S. 3rd St., Philadelphia, and Moore's, Pa.
- EDISON, Thos. A. (1880; Honorary, 1904), Inventor, West Orange, N. J.
- *EDMONDSON, Ralph S. (1916), 1st Lieut., 27th Reg't Engrs., Camp Meade, Md., and 50 Church St., and 417 W. 120th St., New York, N. Y.
- EDMONDSON, William G. (1917), M. E., Interstate Commerce Com., 731 Wells Fargo Bldg., San Francisco, Cal.
- EDMUNDS, Louis L. (Associate-Members, 1914), Ch. Engr., Cal. & Hawaiian Sugar Ref. Co., Crockett, Cal.
- EDWARDS, G. Middleton (Junior, 1916), Mech. Draftsman, O. D. Gun Div., 1330 F St., N. W., Washington, D. C., and *for mail*, Elizabethan Apts., Bateman and Garrison Aves., Baltimore, Md.
- EDWARDS, Harold H. (Junior, 1917), Engr. Constr. Dept., Swift & Co., 60 N. Market St., Boston, Mass.
- EDWARDS, Henry H. (Junior, 1916), V. P., Bantam Ball Bearing Co., Bantam, Conn.
- EDWARDS, Joseph B. (1917), Pres., Genl. Mgr., Kellogg Switchboard & Supply Co., Adams and Aberdeen Sts., Chicago, Ill.
- EDWARDS, Oliver C. (Associate-Member, 1916), Instr. M. E., Univ. of Minn., Main Engrg. Bldg., Minneapolis, Minn.
- EDWARDS, Samuel H. (1912), Genl. Supt., Tide Water Oil Co., and *for mail*, 76 W. 85th St., Bayonne, N. J.
- EDWARDS, Victor E. (1889; 1890), Life Member; V. P., Morgan Constr. Co., 15 Belmont St., Worcester, and "Eastover," West Boylston, Mass.
- EDWARDS, William B. (1911), M. E., The S. O. & C. Co., Ansonia, and *for mail*, 17 E. 9th St., Derby, Conn.
- EDWARDS, William W. (1913; Associate-Member, 1917), Head Dept.

- Steam Engrg., Wentworth Inst., Boston, and *for mail*, 51 Oakland Rd., Brookline, Mass.
- EGAN, Thomas P. (1903), Pres., J. A. Fay & Egan Co., and *for mail*, Edge Cliff Rd., Cincinnati, O.
- EGBERT, Charles C. (1906), Cons. Engr., 409 Gluck Bldg., and 404 Jefferson Ave., Niagara Falls, N. Y.
- EGBERT, Harry D. (Junior, 1915), Engr. in charge Commer. Dept., Research Corp., 63 Wall St., New York, N. Y., and *for mail*, 626 Lenox Ave., Westfield, N. J.
- EGGERT, William H. (Associate-Member, 1916), Supt. Erection, Zaremba Co., 707 Morgan Bldg., and 38 North St., Buffalo, N. Y.
- EGLEE, Charles H., Jr. (Junior, 1917), Asst. Production Engr., East Shore Shipbldg. Corp., Sharptown, and 106 Isabella St., Salisbury, Md.
- EGLESTON, Oliver J. (1916), Ch. Engr., U. S. Smelting, Refining & Mining Co., 920 Newhouse Bldg., P. O. Box 1735 Salt Lake City, Utah, and 1135 East 6th South St.
- EGLIN, William C. L. (1916), Second V. P., Ch. Engr., The Philadelphia Elec. Co., 1000 Chestnut St., and 235 S. 42d St., Philadelphia, Pa.
- EBBETS, C. J. (1890), M. E., Pat. Expt., Colt's Pat. Fire Arms Mfg. Co., and 12 Vernon St., Hartford, Conn.
- EHLERS, Henry E. (1912), Chief Bureau of Rates and Tariffs, Pub. Serv. Com. of Pa., and *for mail*, 818 N. 16th St., Harrisburg, Pa.
- EHLERS, Peter (1890), Ch. Engr., Wm. I. McCahan Sugar Refining Co., Tasker St. Wharf, Philadelphia, and R. F. D. 1, Llanerch, Pa.
- EHRHARDT, John J. (Junior, 1916), Allied Sugar Mch. Corp'n, 120 Broadway, New York, N. Y., and *for mail*, 199 Arlington Ave., Jersey City, N. J.
- EHRHART, Raymond N. (1914), Engr. Cond. Dept., Westinghouse Mch. Co., East Pittsburgh, and 217 Vine St., Edgewood Park, Pittsburgh, Pa.
- EHRlich, M. William (Junior, 1915), Assoc. Editor, Metal Worker, Plumber & Steam Fitter, 243 W. 39th St., and *for mail*, 22 E. 118th St., New York, N. Y.
- EHRMAN, Edwin H. (1914), Secy., Treas., The Chicago Screw Co., Homan Ave. and Fillmore St., Chicago, and *for mail*, 410 N. Kenilworth Ave., Oak Park, Ill.
- EHRMANN, Carl (1911; 1913), in charge Engrg. Dept., Okla. Petroleum & Gasoline Co., and 1616 S. Detroit, Tulsa, Okla.
- EHRMANN, John P. (Junior, 1903), Collins House, Watervliet, N. Y.
- EICHENBERG, Mark A. (Junior, 1916), Inspr. Aeroplanes and Aeroplane Eng., U. S. Signal Corps, and *for mail*, 550 W. 157th St., New York, N. Y.
- EICHLER, Walter G. (Junior, 1912), Asst. M. E., Worsted Dept., Pacific Mills, and *for mail*, 203 Haverhill St., Lawrence, Mass.
- EICKHOFF, Theodore H. (Associate-Member, 1917), 5716 Euclid Ave., and 1950 E. 81st St., Cleveland, O.; also, 1511 16th St., N. W., Washington, D. C.
- EIDMANN, Frank L. (Associate-Member, 1915), Supt., Cowan Truck Co., and 65 Fairfield Ave., Holyoke, Mass.
- IEFFEL, Gustave (Honorary, 1889), 1 Rue Rabelais, Paris, France.
- EILERS, Karl (1890; 1904), Dir. Am. Smelting & Refining Co., 120 Broadway, and *for mail*, 31 E. 72nd St., New York, N. Y.
- EILERSGAARD, Asger (1913), 1736 First Natl. Bank Bldg., Chicago, Ill.
- EINIG, Alvin B. (Junior, 1912), Salesman, The Motch & Merryweather Mch. Co., 711 Lakeside Ave., N. W., and *for mail*, 2278 E. 87th St., Cleveland, O.
- EINSTEIN, Sol (1913), Ch. Designer, Cincinnati Milling Mch. Co., Oakley, Cincinnati, O.

- EISENHART, Harry W. (Associate, 1914), Supply Sales Dept., Frick & Lindsay, Sandusky and Robinson Sts., and *for mail*, 328 N. Negley Ave., Pittsburgh, Pa.
- EISLER, Charles (Associate-Member, 1917), Engr. in charge of Designing, Developing and Mfg. Special Equipment, Westinghouse Lamp Co., Bloomfield, and *for mail*, 44 Harrison Pl., Irvington, N. J.
- EK, Alma (Associate-Member, 1917), M. E., Braden Copper Co. Rancagua, Chile, S. A., and 256 W. Seventh South St., Salt Lake City, Utah.
- EKSTRAND, Charles (1898; 1903), M. E., 79 Wall St., New York, and 429 Sixth St., Brooklyn, N. Y.
- EKSTRAND, L. M. (1907), Engr. Chicago Dist., Am. Steel & Wire Co., and *for mail*, 131 Lenox Ave., Waukegan, Ill.
- EKSTROM, Hugo L. (Junior, 1916), Treas., H. C. Dodge, Inc., 175 Old Colony Ave., South Boston, and *for mail*, 23 Hunter St., Dorchester, Mass.
- ELA, Everett W. (1916), Research Engr., Waltham Watch Co., and *for mail*, 8 Fuller St., Waltham, Mass.
- ELBELT, William H. (Junior, 1916), Repair Foreman, Chino Copper Co., and *for mail*, Box 168 Hurley, New Mex.
- ELBERSON, Leander P. (1916), Ch. Engr., La. Irrigation & Mill Co., and *for mail*, Box 35, Crowley, La.
- ELDER, Edward H. (Associate, 1916), Cons. Engr., Elder & Elder, Court Square Theatre Bldg., Springfield, and *for mail*, 67 Washington St., Chicopee Falls, Mass.
- ELDER, Hugh M. (1912), Genl. Power Engr., Am. Loco. Co., 30 Church St., New York, N. Y., and 49 Cambridge Pl., Brooklyn, N. Y.
- ELDRED, Byron E. (1899; 1903), Pres., The Commer. Research Co., 556 Jackson Ave., Long Island City, and Malba Drive, White-stone, L. I., N. Y.
- ELDREDGE, A. H. (1894), Cons. Engr., N. E. States Office, North Packing & Provision Co., Boston, Mass.
- ELIN, Michael B. (Junior, 1917), Engr., N. E. Westinghouse Co., Chicopee Falls, and *for mail*, 284 Oakland St., Springfield, Mass.
- ELIOT, Edward M. (Associate-Member, 1915), Draftsman, H. M. Bylesby Co., 208 S. La Salle St., and *for mail*, Box 186, Chicago, Ill.
- ELLENWOOD, Frank O. (1913), Prof. Power Engrg., Sibley College, Cornell Univ., Ithaca, N. Y.
- ELLICOTT, Charles R. (1916), Asst. East. Mgr., Westinghouse Air Brake Co., 165 Broadway, New York, N. Y., and 272 Ridgewood Ave., Glen Ridge, N. J.
- ELLICOTT, Edward B. (1903), Lake, Freemont County, Idaho.
- ELLINGHAM, Robert W. (1913), Sales Mgr., The Bilton Mch. Tool Co., 990 Housatonic Ave., and *for mail*, 450 Mill Hill Ave., Bridgeport, Conn.
- ELLIOT, Augustus H. (Associate-Member, 1914), Sales Agt., Am. Brake Shoe & Fdy. Co., 1335 Real Estate Trust Bldg., Philadelphia, and 211 Poplar Ave., Wayne, Pa.
- ELLIOTT, Ben G. (1911; Associate-Member, 1916), Assoc. Prof. M. E., in charge Dept. Univ. Extension Div., Univ. of Wis., and 221 Clifford Ct., Madison, Wis.
- ELLIOTT, Elmer G. (1907), Ch. Engr., River Smelting & Refining Co., P. O. Box 415, Keokuk, Ia., and Florence, Colo.
- ELLIOTT, G. F. (Junior, 1917), Asst. Wks. Mgr., Elliott Co., 6907 Susquehanna St., and *for mail*, 4723 Wallingford St., Pittsburgh, Pa.
- ELLIOTT, Newton R. (Associate-Member, 1917), Mech. Draftsman, Elev. Designer, The Portland Co., 58 Fore St., Portland, and *for mail*, 27 Franklin St., South Portland, Me.
- ELLIOTT, Thomas (1904), Ch. Engr., 1312 Traction Bldg., and 354 Shiloh St., Cincinnati, O.

- ELLIOTT, W. E. (1889), Ch. Engr., Goodrich Transit Co., Chicago, Ill.
- ELLIOTT, William, Jr. (Associate-Member, 1915), Secy., Treas., Leslie & Elliott Co., E. Railway and Iowa Ave., and 582 Main St., Paterson, N. J.
- ELLIOTT, William S. (1915), Pres., Elliott Co., 6905 Susquehanna St., and 4723 Wallingford St., Pittsburgh, Pa.
- ELLIS, Frank I. (1907), Cons. Engr., 2126 Farmers Bank Bldg., Pittsburgh, and 5864 Aylesboro, Pa.
- ELLIS, Halcolm (1911), Pres., Halcolm Ellis Engrg. Co., 1482 Broadway, New York, N. Y., and 597 Park Ave., East Orange, N. J.
- ELLIS, H. Alfred (1912), Pres., Light Ry. Equip. Co., 526 Commer. Trust Bldg., Philadelphia, and Ridley Park, Pa.
- ELLIS, Henry G. (Junior, 1913), Supt., Torrington Mfg. Co., and *for mail*, 118 Migeon Ave., Torrington, Conn.
- ELLIS, Weldon T. (1908; 1912), Assoc. Prof. Mch. Design and Applied Mech., N. C. State College of Agri. and Engrg., West Raleigh, and 123 Woodburn Rd., Cameron Park, Raleigh, N. C.
- ELLISON, Lewis M. (1911; 1913), Engr., Mfr., 214 W. Kinzie St., and 3721 Pine Grove Ave., Chicago, Ill.
- ELMENDORF, Harold H. (Junior, 1916), The Aultman & Taylor Mch. Co., and *for mail*, 118 Park Ave., E., Mansfield, O.
- ELMER, Nixon W. (1915), Conveyor Expert, The Lamson Co., 100 Boylston St., Boston, and *for mail*, 106 Greenleaf St., Quincy, Mass.
- ELMER, William (1896; 1913), Supt., Pa. R. R., Reading, Pa.
- ELMES, Chas. W. (1904), Pres., Chas. F. Elmes Engrg. Wks., Morgan and Fulton Sts., and 305 Fullerton Parkway, Chicago, Ill.
- *ELMES, Clvde C. (Junior, 1916), Capt., E. O. R. C.; Asst. Supt. Baldwin Loco. Wks., Eddystone, and *for mail*, 40 W. Ridley Ave., Ridley Park, Pa.
- ELROD, H. E. (1911), Cons. Engr., 505 Interurban Bldg., Dallas, and 3800 Gillon Ave., Highland Park, Dallas, Tex.
- ELSAS, Oscar (1914), Pres., Fulton Bag & Cotton Mills, and Ponce de Leon Apts., Atlanta, Ga.
- ELSTER, Gurdon G. (Associate-Member, 1913), Supt. Fort William Wks., Canadian Car & Fdy. Co., Ltd., P. O. Box 548, Fort William, Ont., Canada.
- ELSTON, Sidney B. (Junior, 1917), Ch. Draftsman, Climax Mfg. Co., 405 W. Main St., and *for mail*, 104 E. Park Pl., Corry, Pa.
- ELY, Harold F. (Associate-Member, 1915), Westinghouse Mch. Co., East Pittsburgh, Pa.
- ELY, Sumner B. (1896; 1901), Secy., Treas., Chester B. Albree Iron Wks. Co., Metropolitan St., N. S., and *for mail*, 5122 Pembroke Pl., Pittsburgh, Pa.
- ELY, William G. (1893; 1901), Supt. Constr., Genl. Elec. Co., and *for mail*, 114 Lenox Rd., Schenectady, N. Y.
- EMENY, Fredrick J. (Associate, 1899), Ch. Engr., The Deming Co., and *for mail*, 459 Cleveland Ave., Salem, O.
- EMERSON, George H. (1917), Genl. Mgr., Great North. Ry. Co., St. Paul, Minn.
- EMERSON, Harrington (1899), Pres., The Emerson Co., 30 Church St., and 125 Riverside Drive, New York, N. Y.
- EMERSON, Henry B. (1909), Supt. of Mech. Dept., Arlington Mills, Lawrence, and *for mail*, 6 Central St., Methuen, Mass.
- EMERY, Albert H. (1880), C. and M. E., Glenbrook, and *for mail*, 788 Main St., Stamford, Conn.
- EMERY, J. Inman (1912), Ch. Engr., Natl. Projectile Factory, and *for mail*, 35 Regent St., Lancaster, England.

- EMMET, W. L. R. (1902), Cons. Engr., Genl. Elec. Co., and 48 Washington Ave., Schenectady, N. Y.
- EMORY, Frederick L. (1894), Life Member; Prof. Mech. and Applied Math., W. Va. Univ., Morgantown, W. Va.
- EMRICK, George W. (Associate-Member, 1917), Factory Mgr., East. Flexible Conduit Co., 594 Johnson Ave., and 27 Himrod St., Brooklyn, N. Y.
- EMSWILER, John E. (1908; 1917), Assoc. Prof. M. E., Univ. of Mich., Engrg. Bldg., and 1506 Geddes Ave., Ann Arbor, Mich.
- ENDICOTT, George (Junior, 1915), Sales Dept., Wickwire Steel Co., Buffalo, N. Y.
- ENDSLEY, Louis E. (1913), Prof. Ry. M. E., Univ. of Pittsburgh, and *for mail*, 516 East End Ave., Pittsburgh, Pa.
- ENGBLOM, Alexander (Associate-Member, 1914), Supt., Lithografiska Akriebolaget, Norrkoping, Sweden.
- ENGEL, Godfrey, Sr. (1892), Cons. Engr., Godfrey Engel Sr. Constr. Co., 30 Church St., New York, and *for mail*, 2107 Bedford Ave., Brooklyn, N. Y.
- ENGEL, Godfrey, Jr. (Associate-Member, 1916), Engr. in Charge Sugar Dept., Gerdes & Co., 30 Church St., New York, and *for mail*, 513 Marlborough Rd., Brooklyn, N. Y.
- ENGEL, Louis G. (1887), 84 Broadway, Brooklyn, and *for mail*, 22 E. 47th St., New York, N. Y.
- ENGEL, Philip N. (Associate, 1913), V. P., Internatl. Filter Co., 38 S. Dearborn St., and 5048 Woodlawn Ave., Chicago, Ill.
- ENGESSER, Benj. M. (Junior, 1917), Apprentice Engr., Pierce-Arrow Motor Car Co., and *for mail*, 262 Highland Ave., Buffalo, N. Y.
- ENGLEHART, Russell J. (Junior, 1917), Planner, Investigator, Gun Dept., Winchester Repeating Arms Co., 275 Winchester Ave., and *for mail*, 187 Mansfield St., New Haven, Conn.
- ENGLERT, Alfred (1915), Ch. Engr., Maine Electric Co., and *for mail*, 141 Cumberland Ave., Portland, Me.
- ENGLISH, Harry K. (Associate, 1908), V. P., Genl. Mgr., Blue Grass Coal Corp'n. Hazard; V. P., Genl. Mgr., Beaver Creek Coal Co., Alphoretta; V. P., Genl. Mgr., Beaver-Elkhorn Coal Co., Martin, Ky.; V. P., Genl. Mgr., Hill Creek Coal Co., Richlands, Va.
- ENGLISH, William T. (1902), Pres., Walworth-English-Flett Co., 100 Pearl St., Boston, and 1377 River St., Hyde Park, Mass.
- ENNIS, Herbert V. (Junior, 1910), Engrg. Dept., Am. Car & Fdy. Co., 165 Broadway, New York, N. Y., and *for mail*, 543 Broadway, Paterson, N. J.
- ENNIS, J. B. (1909), V. P., Am. Loco. Co., 30 Church St., New York, N. Y., and *for mail*, 615 E. 24th St., Paterson, N. J.
- *ENNIS, William D. (1898; 1907), Major, O. D., O. R. C., Frankford Arsenal, Philadelphia, Pa.
- ENTREKIN, Norman R. (1906), Genl. Mgr., Worth Steel Co., Claymont, Del.
- ENTWISLE, Edward F. (1916), Genl. Supt., Donaghmore Plant, Bethlehem Steel Co., Lebanon, and Mt. Lebanon, Lebanon, Pa.
- EPSTEIN, M. K. (Junior, 1915), Dist. Rept., Gilbert & Barker Mfg. Co., Springfield, Mass., Dist. Rep., Wilson-Mauleen Co., New York, N. Y., and *for mail*, 4613 Chestnut St., Philadelphia, Pa.
- ERDELL, William E. (1914), Pres., Penn-Allen Cement Co., Allentown, Pa.
- ERICSON, Edward O. (Junior, 1913), Constr. Engr., Kelly-Springfield Tire Co., and 730 Thayer St., Akron, O.
- ERICSON, John E. (1909), City Engr., City of Chicago, 402 City Hall, and 848 Lakeside Pl., Chicago, Ill.

- ERLANDSON, E. W. (Junior, 1912), Managing Engr. Fan Dept., Con-
sultd. Engrg. Co., and *for mail*, 24 Union St., Watertown, Mass.
- ERLENKOTTER, Walter (1912; Associate-Member, 1916), M. E., Secaw
Chem. Co., Somerville, and *for mail*, 531 River St., Hoboken, N. J.
- ERNSBERGER, Millard C. (1910), Prof. M. E., Univ. of Rochester, and
12 Sibley Place, Rochester, N. Y.
- ERNST, Alfred F. (1909; 1914), Ch. Engr., Brighton Mills, and Allwood
Rd., Allwood, R. F. D. 1, Passaic, N. J.
- ERRINGTON, Franklin A. (1906), Cons. M. E., Mfr. Mch. Tools, 39
Cortlandt St., New York; Lab., 24 Norwood Ave., and *for mail*, 31
Townsend Ave., Stapleton, S. I., N. Y.
- ERSKINE, John S. (Junior, 1912), Asst. Ch. Engr. Gas Power Eng.
Dept., Intl. Harvester Corp'n, 2600 W. 31st Blvd., and *for mail*, 337
S. Central Park Ave., Chicago, Ill.
- ERVIN, John F. (Associate-Member, 1914), Plant Mgr., Michigan Motor
Castings Co., and 2 Eldridge Court, Flint, Mich.
- ESHERICK, George, Jr. (Junior, 1915), Midvale Steel Co., Nicetown, and
for mail, 6509 Musgrave St., Mt. Airy, Philadelphia, Pa.
- ESHERICK, Joseph (Junior, 1914), Power Plant Equip., 1414 S. Penn
Sq., and 161 W. Durham St., Philadelphia, Pa.
- ESSELSTYN, Horace H. (1909), Pres., Esselstyn Murphy Co., Engrs.,
206-8 Telegraph Bldg., and *for mail*, 65 Pingree Ave., Detroit, Mich.
- ESTABROOK, Harry M. (1913), Pres., The Barney & Smith Car Co., and
210 W. Monument Ave., Dayton, O.
- *ESTABROOK, Mansfield (Junior, 1903), Capt., O. D., U. S. A., Niles-
Bement-Pond Co., 111 Broadway, New York, N. Y.
- ESTEP, H. Cole (Junior, 1914), Editorial Dir., The Penton Publishing
Co., and 11414 Mayfield Road, Cleveland, O.
- ESTES, William W. (1891; 1904), Life Member; Asst. to M. E., Genl.
Fire Extinguisher Co., 275 W. Exchange St., and *for mail*, 245
Waterman St., East Side Sta., Providence, R. I.
- ESTLER, Harry S. (Associate-Member, 1917), M. E., The Costimeter Co.,
130 Montcalm St., and 23 E. Euclid Ave., Detroit, Mich.
- ESTRADA, E. Duque (1893), Ch. Engr. Div. of Shops and Mchy.,
Ministry of Pub. Wks., Cuban Government, Havana, Cuba.
- ESTRADA, Rafael (Associate-Member, 1916), Engr., Francisco Sugar Co.,
Francisco, Camaguey, Cuba.
- ESTWING, Ernest O. (Associate-Member, 1917), Management Engr.
Bridgeport Wks., Remington Typewriter Co., and 922 Howard Ave.,
Bridgeport, Conn.
- EUSTON, Edward R. (Associate, 1913), Second V. P., Treadwell Engrg.
Co., 140 Cedar St., New York, and 54 Linden Ave., Brooklyn, N. Y.
- *EVANS, Ben R. (Junior, 1917), Machinist's Mate, U. S. Navy, and
for mail, care of Mr. D. M. Evans, Earlington, Ky.
- EVANS, Bernard C. (Associate-Member, 1917), Designer, Genl. Elec. Wks.,
and *for mail*, 536 Horne Ave., Ft. Wayne, Ind.
- EVANS, Cadwallader, Jr. (1913), Genl. Mgr., Intl. Salt Co., Retsof, N. Y.,
and 1630 Monroe Ave., Scranton, Pa.
- EVANS, D. F. (Associate-Member, 1916), Efficiency Engr., Hopewell Wks.,
E. I. du Pont de Nemours & Co., and *for mail*, 44 Brown Ave., City
Point, Va.
- *EVANS, George A. (Associate-Member, 1917), Lieut., (Jr. Grade) U. S.
N. R. F., and 312 N. 7th St., Newark, N. J.
- EVANS, George B. (1914), Ch. Engr., The Laclede Gas Light Co., 1017
Olive St., and 4130 McPherson Ave., St. Louis, Mo.
- EVANS, Herbert W. (Associate-Member, 1917), Dist. Mgr., Reeves Pulley
Co., 211 Center St., New York, and *for mail*, 1206 Pacific St., Brook-
lyn, N. Y.

- EVANS, Holden A. (1913), Pres., The Baltimore Dry Docks & Ship Bldg. Co., Locust Point, Baltimore, and 17 Somerset Rd., Rowland Park, Baltimore, Md.
- EVANS, Howard W. (1913), V. P., Genl. Mgr., Farnsworth Mfg. Co., 65 Beverly St., and 235 Chestnut Hill Ave., Boston, Mass.
- *EVANS, Lynn Barkley (Junior, 1917), Ensign, U. S. N. R. F.; N. Y. Rep. and Assoc. Engr. Franklin Mfg. Co., 17 Battery Pl., and 139 E. 39th St., New York, N. Y.
- EVANS, Melvin J. (Junior, 1917), Spec. Apprentice, Gulf, Colo. & Santa Fe R. R. Co., and *for mail*, 422 W. Henderson St., Cleburne, Tex.
- EVANS, Powell (1917), Pres., Engrg. Head, Merchant & Evans Co., Globe Ant. Sprinkler Co., Schuylkill Ry. Co., Schuylkill Elec. Co., 2035 Washington Ave., Philadelphia, Pa.
- EVANS, Victor W. (Associate-Member, 1916), Mfgs. Agt., Rep. 360 W. 116th St., New York, N. Y.
- EVANS, Wellington F. (1912), V. P., Genl. Mgr., Stand. Screw Products Co., Bellevue and Warren Aves., Detroit, and Southfield Ave., Birmingham, Mich.
- EVANS, William A. (1913), The Whitlock Coil Pipe Co., 149 Broadway, New York, N. Y., and 4 Inwood Place, Maplewood, N. J.
- EVELETH, Charles E. (1914), Asst., Engr. Ry. Dept., Genl. Elec. Co., and *for mail*, 111 Parkwood Blvd., Schenectady, N. Y.
- EVERETT, Charles J. (1916), Treas., Revolute Mch. Co., 417 E. 93rd St., and 2010 7th Ave., New York, N. Y.
- EVERETT, Chester M. (1917), Member of Firm, Hazen, Whipple & Fuller, 30 E. 42nd St., New York, and 87 Warburton Ave., Yonkers, N. Y.
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- FABER, John P. (1908; 1917), Ch. Engr., Ransome Concrete Mch. Co., and 805 Washington Ave., Dunellen, N. J.
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- FALKENAU, Arthur (1886), V. P., Hooper-Falkenau Engrg. Co., Woolworth Bldg., and *for mail*, 911 Park Ave., New York, N. Y.
- FALLON, John (Junior, 1910), Dir., Genl. Mgr., Incandescent Heat Co. Ltd., British Mills, Cornwall Rd., Smethwick, and "Carno," Alverley Green Rd., Olton, Warwickshire, England.
- FALLON, John B. (Junior, 1905), Treas., Stickney & Poor Spice Co., 184 State St., Boston, and 87 Mason Terrace, Brookline, Mass.
- FALLOWS, Ernest (Associate-Member, 1917), Tech. Dept., W. R. Grace Co., 7 Hanover Sq., New York, N. Y.
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- FARNHAM, Thaddeus L. (1914), Supt., Franklin Mfg. Co., Stoneboro, Pa.
- FARQUHAR, Edmund H. (1910), Supt., General Elec. Co., and 1592 Union St., Schenectady, N. Y.
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- FARRAR, John G. (Associate-Member, 1916), Ch. Draftsman, McIntosh & Seymour Corp'n, and *for mail*, 148 Woodlawn Ave., Auburn, N. Y.
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- *FARRELL, Morgan G. (1913; Associate-Member, 1917), 1st Lieut., E. O. R. C.; Willard Case & Co., Whitehall Bldg., New York, and *for mail*, 128 Primrose Ave., Mt. Vernon, N. Y.

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- FAST, Jacob J. (Associate, 1912), Internatl. Harvester Co., P. O. Box 1131, Moscow, Russia.
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- FAULKNER, Fred L. (Junior, 1916), E. E., Campbell, Wyant & Cannon Fdy. Co., and *for mail*, 105 W. Muskegon Ave., Muskegon, Mich.
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- FAWCUS, Thomas (1913), Pres., Fawcus Mch. Co., First Natl. Bank Bldg., and 6118 Jackson St., E. E., Pittsburgh, Pa.
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- FEICHT, Russell S. (1914), Mgr. of Engrg., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 1115 Portland St., East End, Pittsburgh, Pa.
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- FLAGG, Samuel B. (Junior, 1907), Fuel Expert, Elec. Bond and Share Co., 71 Broadway, New York, N. Y., and *for mail*, Texas Power and Light Co., Dallas, Tex.
- FLAGG, Stanley G., Jr. (1891), Manager, 1910-1913; S. G. Flagg & Co., 1421 Chestnut St., Philadelphia, Pa.
- FLANAGAN, Walter N. (Junior, 1917), Blooming Mill Dept., Jones & Laughlin Steel Co., Aliquippa, and *for mail*, 319 N. St. Clair St., Pittsburgh, Pa.
- FLANDERS, Ralph E. (1908; 1914), Mgr., Jones & Lamson Mch. Co., and *for mail*, 41 Pleasant St., Springfield, Vt.
- FLANDERS, Warren B. (1915), Engr., Westinghouse Mch. Co., East Pittsburgh, and 910 Peebles St., Wilkesburg, Pa.
- FLANIGAN, Edwin B. (Junior, 1913), 65 W. South St., Wilkes-Barre, Pa.
- FLANNAGAN, Eric G. (Junior, 1916), Engr. and Draftsman, West Va. Pulp and Paper Co., and 302 N. Lexington St., Covington, Va.
- FLANNER, Douglas D. (1915), Genl. Mgr., Flanner-Water Tube Boiler Co., 521 Second Natl. Bank Bldg., and 87 Rose Ave., Akron, O.
- FLANNERY, John M. (1907), Solvay Process Co., and *for mail*, 1628 W. Genesee St., Syracuse, N. Y.
- FLATEBOE, Einar I. (Associate-Member, 1914), Supt., The Vulcan Mfg. Co., 1200 Fourth Ave., S., and 911 24th Ave., Seattle, Wash.
- FLATHER, Ernest J. (1917), Pres., Treas., E. J. Flather Mfg. Co., 44 Spring St., and *for mail*, 8 Berkeley St., Nashua, N. H.
- FLATHER, Frederick A. (1892), Treas., Boott Mills, 79 Milk St., Boston, and *for mail*, 68 Mansur St., Lowell, Mass.
- FLATHER, John J. (1889), Prof. M. E., Univ. of Minn., and *for mail*, 315 11th Ave., S. E., Minneapolis, Minn.
- FLECKENSTEIN, Harry (1915), M. E., Hindley Gear Co., 1105 Frankford Ave., Philadelphia, and *for mail*, 5126 Green St., Germantown, Philadelphia, Pa.
- FLEISHER, Walter A. (Associate-Member, 1917), M. & E. E., S. B. & B. W. Fleisher, Inc., 26th and Reed Sts., and *for mail*, 3422 Powelton Ave., Philadelphia, Pa.
- FLEMING, Henry S. (1903), Cons. Engr., Rm. 219, 1 Broadway, and 2 E. 65th St., New York, N. Y.
- FLEMING, Wills M. (1905; 1909), Engr. in Charge Drawing Rm., Deane Wks., and *for mail*, 370 Maple St., Holyoke, Mass.
- FLETCHER, Andrew (1893), Pres., Am. Loco. Co., 30 Church St., New York, N. Y., Pres., W. & A. Fletcher Co., Hoboken, N. J., and 17 E. 54th St., New York, N. Y.
- FLETCHER, Andrew, Jr. (Junior, 1917), The W. & A. Fletcher Co., 14th St., Hoboken, N. J., and *for mail*, Hotel Gotham, New York, N. Y.
- FLETCHER, E. Leslie (1909), Fletcher-Thompson, Inc., 1089 Broad St., and *for mail*, 59 Chalmers Ave., Bridgeport, Conn.
- FLETCHER, Fred (1914), Asst. Plant Engr., A. M. Byers Co., Columbia, and *for mail*, R. F. D. No. 1, Lancaster, Pa.
- FLETCHER, Harold W. (Junior, 1916), Engr., Hughes Tool Co., Houston, Tex., and 4691 Beaufort St., Richmond Hill, L. I., N. Y.
- FLETCHER, James R. (1906), Genl. Supt., P. & F. Corbin Mfg. Co., and *for mail*, 165 W. Main St., New Britain, Conn.

- FLETEMEYER, Louis H. (Junior, 1906), Sales Engr., A. R. Williams Mchy. Co., 64 Front St., W., and *for mail*, 163 Grenadier Rd., Toronto, Ont., Canada.
- FLEXER, Samuel E. (1914), Genl. Supt., Clinchfield Portland Cement Corp., Kingsport, Tenn., and 642 N. 9th, Allentown, Pa.
- FLICKINGER, Harrison W. (Junior, 1911), 527 W. 7th St., Erie, Pa.
- FLIEGNER, Carl G. (Junior, 1917), Asst. Dept. Chief Planning Div., West Elec. Co., Inc., 48th Ave. and 22nd St., Cicero, and *for mail*, 2819 Logan Blvd., Chicago, Ill.
- FLINN, Melville S. (1918), Secy., Treas., Flinn & Dreffin Co., 431 S. Dearborn St., and 112 S. Michigan Ave., Chicago, Ill.
- FLINN, Thomas F. (1892), M. E., 72 Second Pl., Brooklyn, N. Y.
- FLINT, Bertram P. (1894), N. Y. Mgr., McIntosh & Seymour Corp'n, 149 Broadway, New York, N. Y., and Montclair, N. J.
- FLINT, William P. (1903), 157 W. 54th St., New York, and *for mail*, 52 Tuckahoe Rd., Nepperhan Heights, Yonkers, N. Y.
- FLIPPEN, John P. (Associate-Member, 1914), Dist. Mgr. in West. Pa., Ohio, West Va., C. H. Wheeler Mfg. Co., Citizens Bldg., Cleveland, O., and *for mail*, 433 Union Arcade Bldg., Pittsburgh, Pa.
- FLOHR, Ralph C. (Junior, 1916), Engrg. Dept., The Am. Tool Wks. Co., Cincinnati, O., and *for mail*, 253 Van Voast Ave., Bellevue, Ky.
- FLOOD, Henry, Jr. (Associate-Member, 1916), M. E., Am. Smelting and Refining Co., Perth Amboy, and *for mail*, Rahway, N. J.
- FLORY, Burton P. (1906), Supt. M. P., N. Y., Ont. & West. Ry. Co., and 117 Highland Ave., Middletown, N. Y.
- FLOWERS, Alan E. (1916), Prof. E. E. Ohio State Univ., and 1634 Neil Ave., Columbus, O.
- FLOWERS, Dean W. (1914; 1916), Supt. Gas. Wks. Dept., St. Paul Gas Light Co., 6th and Jackson St., and 1205 Dayton Ave., St. Paul, Minn.
- FLYNN, Charles A. (1916), Supv. Engr., Douglas Robinson, Chas. S. Brown Co., 14 Wall St., New York, N. Y., and 1137 Park Terrace, Plainfield, N. J.
- FLYNN, John H. (1917), Mgr., Blaw-Knox Co., P. O. Box 915, Pittsburgh, Pa., Pres., Lines Flynn Co., New York, N. Y.
- FLYNN, Michael H. (1913), Supt. Royal Typewriter Co., Inc., 150 New Park Ave., and *for mail*, 113 Whitney St., Hartford, Conn.
- FOERSTERLING, Dr. Hans (1915), Ph. D., Jamesburg, N. J.
- FOGARTY, Michael (1915), Pres., Michael Fogarty, Inc., 527 W. 33d St., New York, and 119 Russell St., Brooklyn, N. Y.
- FOGARTY, Michael J. (1914), Mgr. Prop. Mch. Shop, 38-40 Harrison St., and *for mail*, 1441 Pacific St., Brooklyn, N. Y.
- FOGARTY, Will J. (1911), M. E., Barney & Smith Car Co., and *for mail*, 637 Kenwood Ave., Dayton, O.
- *FOGG, Oscar H. (1907; 1913), Capt. O. R. C., U. S. A., and *for mail*, 1707 Arch St., Philadelphia, Pa.
- FOGLER, Ben B. (Junior, 1912), Efficiency Engr., Ludlow Mfg. Associates, Box 1488 and 52 North St., Ludlow, Mass.
- FOLEY, Leonard H. (Junior, 1912), Stone & Webster Engrg. Corp., 147 Milk St., Boston, and *for mail*, 52 W. Central St., Natick, Mass.
- FOLEY, Louis J. (Junior, 1916), Engr., Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., Buffalo, and 416 Dove St., Dunkirk, N. Y.
- FOLEY, Walter J. (Junior, 1910), M. E., San Francisco Bridge Co., 14 Montgomery St., San Francisco, and 39 Griffith Ave., San Mateo, Cal.
- FOLLER, Chas. S. (1906), Mgr. of Sales, Union Spring & Mfg. Co., 2408 First Natl. Bank, and *for mail*, 6609 Dalzell Pl., E. E. Pittsburgh, Pa.

- FOLSOM, Eugene L. (1913), Asst. Genl. Mgr., Waltham Watch Co., Crescent St., and *for mail*, 101 Washington Ave., Waltham, Mass.
- FONDA, Burton C. (Junior, 1912), N. Y. Office, The F. W. Horne Co., of Tokyo, Japan, 2 Rector St., New York, and *for mail*, 118 Division St., New Rochelle, N. Y.
- *FOORD, James L. (1915), Lieut. Com. N. N. V., U. S. N., U. S. Naval Training Sta., Great Lakes, Ill., and 5413 Dorchester Ave., Chicago, Ill.
- FOOTE, Andrew W. (1900), Pres., The Foote-Burt Co., 4101 St. Clair Ave., and 1614 Hazel Drive, Cleveland, O.
- FOQUE, Theodore A. (1916), Genl. Mech. Supt., The Minneapolis, St. Paul & Sault Ste. Marie Ry., First Natl.-Soo Line Bldg., and *for mail*, 1912 S. Irving Ave., Minneapolis, Minn.
- FORAN, George J. (1887; 1893), Mgr. Condenser Dept., Worthington Pump & Mchy. Corp., Rm. 1800, 115 Broadway, and 471 Central Park, W., New York, N. Y.
- FORBES, Harry R. (Associate, 1911), Dir., East Rep., Lumen Bearing Co., Rm. 573, 50 Church St., and 500 W. 122nd St., New York, N. Y.
- FORBES, W. D. (1886), 236 Hempstead St., New London, Conn.
- FORBUSH, Franklin L. (1915), State Insp. of Boilers, Commonwealth of Mass., 68 Main St., and *for mail*, 93 Brooklyn St., North Adams, Mass.
- FORCE, Henry H. (Associate-Member, 1916), Ch. Engr., Ch. Elec., The Stanley Wks., and *for mail*, 86 Garden St., New Britain, Conn.
- FORD, Bruce (1907), Fourth V. P., The Elec. Storage Battery Co., 19th St. and Allegheny Ave., Philadelphia, and 25 Summit St., Chestnut Hill, Philadelphia, Pa.
- FORD, Everett L. (Associate-Member, 1916), Factory Supt., Frank Mossberg Co., Lamb St., and S. Main and Thacher Sts., Attleboro, Mass.
- FORD, Henry (1915), Pres., Ford Motor Co., Detroit, Mich.
- *FORD, John D. (1884), Rear Admiral, U. S. N., 2319 Maryland Ave., Baltimore, Md.
- FORD, Winthrop D. (Associate-Member, 1914), Sales Engr., Worthington Pump & Mchy. Corp., 200 Devonshire St., Boston, and Kingston, Mass.
- *FORDYCE, John R. (1899), Major Engrs., U. S. R., Cons. Engr., 2115 Broadway, Little Rock, Ark.
- *FORFAR, Donald M. (Junior, 1913), 1st Lieut. Engrs., U. S. R., E. O. R. C., Minneapolis Mgr., Charles L. Pillsbury Co., 805 Metropolitan Life Bldg., and 3444 Second Ave., S., Minneapolis, Minn.
- FORGY, J. Edmonds (1906; 1913), Pur. Agt., The Locomobile Co. of Am., 2 Main St., and 1910 Park Ave., Bridgeport, Conn.
- FORNEY, J. Raymond (Associate-Member, 1915), Sales Engr., The Ralston Steel Car Co., 1521 Munsey Bldg., and *for mail*, Canterbury Hall, 39th and Oak Sts., Baltimore, Md.
- FORREST, George M. (1912), Asst. Genl. Fact. Mgr., Remington Typewriter Co., 374 Broadway, and 255 West End Ave., New York, N. Y.
- FORREST, James (Associate-Member, 1917), Designing Engr., U. S. Cast Iron Pipe and Fdy. Co., Burlington, N. J., and 4520 Regent St., Philadelphia, Pa.
- FORSBURG, Henry A. (1911), Genl. Supt., Stand. Oil Co., of Cal., San Pablo, and 1734 Sonoma Ave., Berkeley, Cal.
- FORSTALL, Alfred E. (1899), Partner, Forstall & Robinson, 15 Park Row, New York, N. Y., and Montclair, N. J.
- FORSTER, Samuel S. (1917), Supt. Sec. C. Bldg. 16, Genl. Elec. Co., and *for mail*, 47 Third Ave., Schenectady, N. Y.
- *FORSYTH, James M. (Junior, 1914), Candidate 2nd Training Camp, Ft. Sheridan, Ill., and 5031 National Ave., West Allis, Wis.
- FORSYTH, Robert (1881), Manager 1891-1894; 1157 The Rookery, Chicago, Ill.

- FORSYTH, William (1883), Manager, 1888-1891; M. E., 112 Moreland Ave., Chestnut Hill, Pa.
- FORSYTHE, Clayton E. (Associate-Member, 1917), Cons. Engr., Morrow Mfg. Co., Elmira, N. Y.
- FORTMANN, Edward (Junior, 1914), M. E., N. Y. Transit Co., 802 Press Bldg., and 172 Chapin St., Binghamton, N. Y.
- FORTNEY, Camden P. (1913; 1916), Asst. Engr., U. S. A. Engrs., Box 72, Louisville, Ky., and 10 Grow Ave., Montrose, Susquehanna Co., Pa.
- FORTUIN, Morris (1914), Mgr., Pa. Cement Co., Nazareth, Pa.
- FORTUNE, John R. (1912), 3 Harold Arms, Scottwood Ave., Toledo, O.
- FOSDICK, Frederick (1914), Pres., Fitchburg Steam Eng. Co., and 98 Pleasant St., Fitchburg, Mass.
- FOSDICK, William P. (1916), Assoc. with Walter G. Franz, Cons. Engr., 1703 Union Trust Bldg., *for mail*, 514 Hawthorne Ave., Cincinnati, O.
- FOSTER, C. H. (1886), Life Member; Treas., Tolhurst Mch. Wks., 648 Fulton St., and *for mail*, 31 Bell Ave., Troy, N. Y.
- FOSTER, Charles (1917), Mgr., Charles L. Pillsbury Co., Cons. Engrs., 716 Capitol Bank Bldg., and 1904 Ashland Ave., St. Paul, Minn.
- *FOSTER, Charles C. (Junior, 1915), 302nd Engrs., Co. C, Camp Upton, L. I., M. E., Gryphon Rubber & Tire Corp'n, 192nd St. and Bailey Ave., New York, N. Y., and *for mail*, 37 Van Houten Pl., Belleville, N. J.
- FOSTER, Dean E. (1916), M. E. on Design and Constr., Cosden & Co., and *for mail*, 721 S. Denver St., Tulsa, Okla.
- *FOSTER, Ernest H. (1885; 1894), Ensign, U. S. N. R., Class No. 4, and V. P., Power Spec. Co., 111 Broadway, New York, N. Y.
- FOSTER, Frank A. (1915), Chihli Higher Normal College, Paotingfu, Chihli, China.
- FOSTER, Jed S. (1891; 1903), Engr., Lidgerwood Mfg. Co., 96 Liberty St., New York, N. Y., and Stoneleigh Park, Westfield, N. J.
- FOSTER, John M. (1900), Pres., Genl. Mgr., Foster Engrg. Co., 109 Monroe St., Newark, N. J., and Hotel Marie Antoinette, New York, N. Y.
- FOSTER, Robert J. (Junior, 1915), M. E., Eberhard Faber Pencil Co., 39 Greenpoint Ave., and *for mail*, 1114 Lorimer St., Brooklyn, N. Y.
- FOSTER, Rufus J. (Associate, 1890), V. P., Internatl. Text Book Co., Managing Editor, The Colliery Engineer, 434 Wyoming Ave., and 807 Clay Ave., Scranton, Pa.
- FOSTER, William B. (1908), V. P., Ch. Engr., Foster Bros. Mfg. Co., 811 Broad St., and 1419 Oneida St., Utica, N. Y.
- FOSTER, William B. (1917), Asst. Ch. Engr. Engrg. Dept., E. I. du Pont de Nemours & Co., Rm. 848 du Pont Bldg., and *for mail*, 1110 Rodney St., Wilmington, Del.
- FOURNIER, Thomas F. (Associate-Member, 1915), Cons. Engr., P. O. Box 1201, Providence, R. I.
- FOWDEN, William (1913), Supt., Dewey Portland Cement Co., and Box 491, Dewey, Okla.
- FOWLER, Geo. L. (1886), Cons. M. E., 83 Fulton St., New York, N. Y.
- *FOWLER, Wallace S. (Junior, 1912), 1st Lieut. O. O. R. C., Production Section, Carriage Div., and Remington Bridgeport Wks., Bridgeport, Conn.
- FOX, Charles H. (1900), Pres., Ahrens-Fox Fire Eng. Co., Colerain Ave. and Alfred St., and *for mail*, 3547 Shaw Ave., Cincinnati, O.
- FOX, Sir Douglas (Honorary, 1900), Sir Douglas Fox and Partners, 56 Moorgate St., London, E. C., and Kippington Grange, Sevenoaks, Kent, England.
- FOX, Harry K. (Associate-Member, 1917), Ch. Draftsman, M. P., Dept.,

- Western Md. R. R. Co., and *for mail*, 600 Summit Ave., Hagerstown, Md.
- FOX, John H. (1904), Ch. Engr., Pittsburgh Plate Glass Co., Frick Bldg., and 332 S. Negley Ave., East End, Pittsburgh, Pa.
- FOX, Royal E., Jr. (1901; 1911), The Wright-Martin Aircraft Corp'n, New Brunswick, N. J., and 131 Riverside Drive, New York, N. Y.
- *FOX, Rudolph H. (Junior, 1913), 1st Lieut., O. D., O. R. C., Exper. Engr., Fafnir Bearing Co., New Britain, and *for mail*, 54 Oak St., Hartford, Conn.
- FOX, William (1900), Prof. Physics, College of the City of N. Y., and *for mail*, 457 W. 123rd St., New York, N. Y.
- FRAIM, Samuel R. (1913), Genl. Mgr., The E. T. Fraim Lock Co., and *for mail*, 551 N. Lime St., Lancaster, Pa.
- FRALICH, John S. Y. (Associate-Member, 1916), Asst. Res. Engr., Westinghouse Air Brake Co., 827 Ry. Exch., and 1322 Albion Ave., Chicago, Ill.
- *FRANCE, John E. (Junior, 1917), 1st Lieut. E. O. R. C., 5th Engr. Corps, Co. F., and *for mail*, 3544 N. 18th St., Philadelphia, Pa.
- FRANCE, Laurel E. (Junior, 1912), Ch. Draftsman, Braden Copper Co., Rancagua, Chile, S. A., and 2716 Western Ave., Los Angeles, Cal.
- *FRANCIS, Harris S. (Junior, 1917), Lieut., E. O. R. C., Am. Radiator Co., 104 W. 42nd St., New York, N. Y., and *for mail*, 178 Summit Ave., Jersey City, N. J.
- FRANCIS, Ira J. (Associate, 1915), Genl. Coast Sales Agt., John A. Roebling's Sons Co., of Cal., 624-46 Folsom St., and 107 14th Ave., San Francisco, Cal.
- FRANCIS, Isaac H. (1911), Cons. Engr., 1508 Commonwealth Trust Bldg., Philadelphia and Grant and Milnor Sts., Torresdale, Philadelphia, Pa.
- FRANCISCO, Ferris L. R. (1906; 1912), Francisco & Jacobus, 511 5th Ave., New York, N. Y.
- FRANK, Edwin (Junior, 1909), Centrifugal Pump Designer, C. H. Wheeler Mfg. Co. 18th and Lehigh Ave., and *for mail*, 1426 Diamond St., Philadelphia, Pa.
- FRANKEL, Monroe J. (Associate-Member, 1916), Inspr. of Gas. and Elec., City of Louisville, 307 City Hall Annex, and *for mail*, 1478 St. James Ct., Louisville, Ky.
- FRANKENBERG, George T. (Associate, 1907), Genl. Contr., 723 Columbus Saving & Trust Bldg., and 1371 Madison Ave., Columbus, O.
- *FRANKET, William F. (Junior, 1916), 2nd Lieut., O. O. R. C., Engr., Remington Arms Union Metallic Cartridge Co., Boston Ave., Bridgeport, and *for mail*, 279 Olivia St., Derby, Conn.
- *FRANKLIN, Benjamin A. (1913), Major O. D., Washington, D. C., V. P. Strathmore Paper Co., Mittineague, Mass.
- FRANKLIN, Edward J. (1913), Cons. Engr., Ray Consld. Copper Co., Chino Copper Co., Hayden, Ariz., and Hurley, New Mex., and *for mail*, 1610 W. 10th St., Los Angeles, Cal.
- FRANKLIN, Paul A. (Junior, 1915), Supt. Newark Warehouse, Am. Sanitary Wks., Harrison, N. J., and *for mail*, 281 Westminster Rd., Brooklyn, N. Y.
- FRANKS, Fredk. B. (1904), Mill Mgr., Bath Portland Cement Co., Bath, Pa.
- FRANZ, Walter G. (1907), Cons. Engr., Union Trust Bldg., and 3300 Observatory Rd., Cincinnati, O.
- *FRASER, D. Ross (1907; 1916), 1st Lieut. E. O. R. C., 2928 Washington Blvd., Chicago, Ill.
- FRASER, Norman D. (1886), 111 W. Monroe St., Chicago, Ill.
- FRAUENBERGER, Carl F. (Associate, 1917), Planning Supvr., Win-

- chester Repeating Arms Co., and *for mail*, 569 Winthrop Ave., New Haven, Conn.
- FRAUENS, Frank H., Jr. (Junior, 1915), Res. Engr., W. B. Rollins & Co., 209 Ry. Exch. Bldg., and *for mail*, 212 E. 35th St., Kansas City, Mo.
- FRAY, George H. (Associate-Member, 1917), Asst. to M. E., Bridgeport Brass Co., and *for mail*, 70 Savoy St., Bridgeport, Conn.
- FRAZAR, Everett W. (1914), Managing Dir., Sale & Frazar, Ltd., 7 Yaesucho, Tokio, and 119 Bluff, Yokohama, Japan.
- FREAR, Jenness B. (Associate-Member, 1914), Instr. Engrg. Math. and Mech. Univ. of Minn., and 713 8th Ave., S. E., Minneapolis, Minn.
- FRECHTLING, Arthur G. (Junior, 1906), 216 N. C. St., Hamilton, O.
- *FREDERIC, Alvah B. (Junior, 1916), 2nd Lieut., O. O. R. C., Serv. Research Dept. Burroughs Adding Mch. Co., and 395 Boston Blvd., W. Detroit, Mich.
- FREDERICK, Karl L. (1917), V. P., Genl. Mgr., Passaic Metal Ware Co., 217 Brook Ave., Passaic, and 5 Elliott Terrace, Rutherford, N. J.
- FREDETTE, John (1915), Supt. Tools and Equip., Mch. Wks., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 1304 Center St., Wilkesburg, Pa.
- *FREEMAN, Benjamin W. (Junior, 1916), 1st Lieut. O. D., Mgr., The Benjamin W. Freeman Co., 1535 Morgan St., and Mgr., The Louis G. Freeman Co., St. Louis, Mo., and 870 Hutchins Ave., Cincinnati, O.
- FREEMAN, Clarke F. (Junior, 1915), Sales Engr., Allied Mchy. Co., of France, 19 Rue de Rocroy, Paris, France.
- FREEMAN, Frederick C. (1911; 1916), The United Gas Improvement Co., Broad and Arch Sts., Philadelphia, and 21 St. Paul Rd., Ardmore, Pa.
- FREEMAN, Frederick S. (1915), Supt. Power, Boston Elev. Ry. Co., 439 Albany St., Boston, Mass.
- FREEMAN, H. L. (1917), Prof. M. E., Miss. A. & M. College, Agricultural College, Miss.
- FREEMAN, Herbert A. (1915), M. E., Local Mgr., G. M. Davis Regulator Co., 123 Liberty St., New York, and *for mail*, 45 Rutland Rd., Brooklyn, N. Y.
- FREEMAN, Herbert A. (1916), Ch. Draftsman, Crocker Wheeler Co., Ampere, N. J.
- FREEMAN, Herbert S. (Junior, 1915), West. Rys., The Max Ams. Mch. Co., 39 S. La Salle St., Chicago, and *for mail*, 216 N. Scoville Ave., Oak Park, Ill.
- FREEMAN, J. Porter (1908), Constr. Engr., Alex. Smith & Sons, and *for mail*, 225 Woodworth Ave., Yonkers, N. Y.
- FREEMAN, John R. (1887), Vice-President, 1902-1904; President, 1905; Pres., Mfrs. Mut. Fire Ins. Co., 815 Grosvenor Bldg., and 235 Arlington Ave., Providence, R. I., and Cons. Engr., N. Y. Bd. of Water Supply, Municipal Bldg., New York, N. Y.
- FREEMAN, Julian B. (1916), Ch. Engr., De Pere Mfg. Co., Rm. 786 122 S. Michigan Ave., Chicago, Ill.
- FREEMAN, Lewis D. (Junior, 1913), Shop Supt., Seaboard Air Line Ry Co., and 1632 Forbes St., Jacksonville, Fla.
- FREEMAN, Perry J. (1908; Associate Member, 1914), Engr. of Tests, Pittsburgh Testing Lab., 7th and Bedford Ave., and 5010 Friendship Ave., East End, Pittsburgh, Pa.
- FREEMAN, Roger M. (Junior, 1913), Constr. Engr., Chase Metal Wks., Waterbury, Conn., and 235 Arlington Ave., Providence, R. I.
- FREEMAN, William J. (1913), Mem. of Firm, Sloan, Huddle, Feustel & Freeman, 1745 Conway Bldg., and 1929 Estes Ave., Chicago, Ill.
- FREER, William G. (1914), Power Engr., Am. Loco. Co., and *for mail*, 516 Ave. B, Schenectady, N. Y.

- FRENCH, David W. (1916), Supt. Hackensack Water Co., Drawer F, Weehawken, and Lydecker St., Englewood, N. J.
- FRENCH, Edward V. (1905), V. P., Engr., Arkwright Mut. Fire Ins. Co., 31 Milk St., Boston, and *for mail*, 20 School St., Andover, Mass.
- FRENCH, Lester G. (1899; 1912), Editor Am. Soc., M. E., 29 W. 39th St., New York, and 70 Fisher Ave., White Plains, N. Y.
- FRENCH, Thomas E. (1916), Prof. Engrg. Drawing, Ohio State Univ., 204 Brown Hall, and 1458 Worthington St., Columbus, O.
- FRESHNEY, Samuel A. (1913), Dist. Mgr., Consumers Power Co., 124 Monroe Ave., and 312 Lyon St., Grand Rapids, Mich.
- FREVERT, H. F. (Associate, 1893), Pres., Treas., Frevert Mchy. Co., 38 Vesey St., New York, N. Y.
- FREYN, Heinrich J. (1906), Pres., Freyn & Co., 643 Peoples Gas Bldg., and *for mail*, 112 E. 52nd St., Chicago, Ill.
- FREYSINGER, John B. (1916), Supt. Mech. Equip., The Yale & Towne Mfg. Co., and *for mail*, 28 Pleasant St., Stamford, Conn.
- FRICK, Abraham O. (1885), Pres. Frick Co., and *for mail*, Clayton Ave., Waynesboro, Pa.
- FRIC, John (Associate-Member, 1914), M. E., Horn & Hardart Baking Co., 21 S. 11th St., Philadelphia, Pa., and *for mail*, 216 Pacific Ave., Atlantic City, N. J.
- FRICKER, Jacob E. (Associate-Member, 1917), M. E., Air Reduction Co., Inc., 120 Broadway, New York, N. Y., and *for mail*, 139 W. Greenwich St., Reading, Pa.
- FRIED, Jerome A. (Junior, 1914), Treas., Mgr. Eng. Dept., Thomas-Morse Aircraft Corp'n, and Heights Ct. Apts., and *for mail*, P. O. Box 22, Ithaca, N. Y.
- FRIEDKIN, George (Junior, 1917), Mech. and Radio Engr., Supt. Dubilier Condenser Co., Inc., 217 Center St., New York, and *for mail*, 183 Hooper St., Brooklyn, N. Y.
- FRIEDLANDER, Max (Associate-Member, 1915), Exper. Engr., Am. Radiator Co., 1807 Elmwood Ave., and 239 E. Delavan Ave., Buffalo, N. Y.
- *FRIEDMAN, Ferdinand J. (Junior, 1913), 1st Lieut. Supply Div., O. D., U. S. R., and *for mail*, 17 Gramercy Pk., New York, N. Y.
- FRIEND, Walter F. W. (Junior, 1913), M. E., Gibbs & Hill, Pa. Sta., and 423 W. 118th St., New York, N. Y.
- FRINK, Francis G. (1913), V. P., Secy., Wash Iron Wks., and 140 40th Ave., N., Seattle, Wash.
- FRINK, Gerald (1913), V. P., Mgr., Wash. Iron Wks., and 403 31st Ave., S., Seattle, Wash.
- FRITTS, Charles E. (1915), Supt. Power and Elec. Dept., Kansas City, Rys. Co., 1500 Grand Ave., and 1017 Agnes Ave., Kansas City, Mo.
- *FRITZ, Aimé L. G. (Junior, 1907), Flying Cadet 2d Prov. Training Squadron U. S. A., Ellington Field, Houston, Tex., and 619 Stoothoof Ave., Richmond Hill, N. Y.
- FROELICH, Freddy (1913), Secy., Verin deutscher Maschinenbau-Anstalten, Hardenbergstr 3, and Reichskanzlerplatz 4, Charlottenburg, Germany.
- FROHRIEB, Louis C. (1913), Secy., Federal Engrg. Co., 1116 House Bldg., and 1107 Peermont Ave., Dormant Boro, Pittsburgh, Pa.
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- GILLAN, Howard A. (1907; Associate-Member, 1916), Pur. Engr. Kodak Park Wks., Eastman Kodak Co., and 445 Flower City Park, Rochester, N. Y.
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- GILLESPIE, William K. (1916), Asst. Genl. Wks. Mgr., Canadian Car & Fdy. Co., 120 St. James St., and 123 Marlowe Ave., Montreal, Que., Canada.
- GILLET, Charles E. (Junior, 1913), Mech. Research Labs., Norton Co., and *for mail*, 25 Devens Rd., Worcester, Mass.
- GILLET, Lowry (1904; 1917), Steam Engr., Genl. Chem. Co., 25 Broad St., and 14 W. 69th St., New York, N. Y.
- GILLETTE, Halbert P. (1910), Pres., Myron C. Clark Publishing Co., 608 S. Dearborn St., Chicago, Ill., and 4407 Pine St., Philadelphia, Pa.
- GILLHAM, Charles A. (Associate, 1916), V. P., Executive, The New York Steam Co., 280 Madison Ave., New York, N. Y.
- GILLIAM, Thomas B. (1916), Engr. of Tests, Island Creek Coal Sales Co., 2015 Union Central Bldg., and 2331 Salutaris Ave., Cincinnati, O.
- GILLIES, Wm. F. (1905; 1913), Mgr., Ingersoll-Rand Co., Farmers Bank Bldg., Pittsburgh, Pa.
- *GILLIS, H. A., (1888), Manager, 1901-1904; Major of Ord., U. S. R., War Dept., 210 Higgs Bldg., Washington, and 3711 Keokuk St., Chevy Chase, D. C.
- GILLIS, Irvin V. (1917), Commander, U. S. Navy, Ret.; Rep. of Am. Shipbuilders, Peking, China, and *for mail*, care of H. A. Gillis, Riggs Bldg., Washington, D. C.
- GILLOOLY, John H. (Junior, 1917), Draftsman, Steere Engrg. Co., Box 43, North End Sta., Detroit, and *for mail*, 39 W. Hancock Ave., Detroit, Mich.
- GILMAN, Francis L. (1908). In charge Mfg. Depts., Natl. Conduit & Cable Co., Hastings, N. Y.

- *GILMAN, Franklin W. (1913; Associate-Member, 1915), 1st Lieut. E. O. R. C., U. S. A., and *for mail*, 11 Freeland St., Worcester, Mass.
- GILMER, G. Walker, Jr. (1912), Pur. Agt., Sales Mgr., L. H. Gilmer Co., Tacony, Philadelphia, Pa.
- GILMORE, George P. (1909), Plant Engr., Am. Ptg. Co., and 46 Dudley St., Fall River, Mass.
- GILMORE, John W. (1914), V. P. Factory Mgr., Crouch & Fitzgerald Co., 352 W. 41st St., and 118 W. 91st St., New York, N. Y.
- GILMORE, Thomas N. (1915), 2nd V. P., Ch. Engr., Westinghouse, Church, Kerr & Co., 37 Wall St., New York, N. Y., and 21 Berkeley Pl., Cranford, N. J.
- GILSON, Harry W. (1909; Associate-Member, 1917), Secy., Treas., Vincent-Gilson Engrg. Co., 30 Church St., New York, N. Y., and 103 Belmont Ave., Jersey City, N. J.
- GILSON, Henry R. (1914), Engr., U. S. Rubber Co., 58th St. and Broadway, New York, and Calton Terrace, New Rochelle, N. Y.
- *GILSON, Joseph L. (Junior, 1914), Corporal. Co. F. 302nd Engrs., U. S. A., Refrig. Engr., with Van R. H. Green, 50 Church St., New York, and Liverpool, N. Y.
- GINGRICH, Charles S. (Junior, 1900), The Cincinnati Milling Mch. Co., Cincinnati, and *for mail*, 2 Beech Lane, East Walnut Hills, Cincinnati, O.
- GINORIO, Francisco R. (Associate-Member, 1915), Asst. Ch. Engr., The Cuban-Am. Sugar Co., Delicias, Oriente, Cuba.
- GINSBURG, Jacob (Junior, 1917), M. E., Lehigh Portland Cement Co., and *for mail*, 215 S. Buckeye St., Iola, Kan.
- GIRL, Christian (Associate, 1914), Pres., The Stand. Parts Co., Hickox Bldg., and 10,000 Lamont, N. E., Cleveland, O.
- GIRVIN, Chas. J. (1894; 1905), Supt., Edge Moor Iron Co., Edge Moor, Del.
- GISH, James A., Jr. (Associate-Member, 1914), Asst. to Ch. Engr., Fuller Engrg. Co., Allentown Natl. Bank Bldg., Allentown, Pa.
- *GITHENS, Thomas F. (Junior, 1915), 1st Lieut., Trench Warfare. Branch Gun Div., 2030 F St., N. W., Washington, D. C.
- GIVAN, Albert (1913), Cons. Engr., 1525 K St., Sacramento, Cal.
- GLADDEN, Charles S. (Junior, 1901), Asst. Engr., E. I. du Pont de Nemours & Co., and *for mail*, 802 N. Franklin St., Wilmington, Del.
- GLADDING, Wanton M. (1907), Mech. Supt., Morse Twist Drill & Mch. Co., 163 Pleasant St., and 338 Pleasant St., New Bedford, Mass.
- GLADECK, Frederick C. (Associate-Member, 1916), Ord. Engr., Intl. Arms & Fuse Co., Bloomfield, N. J., and *for mail*, 4431 Richmond St., Philadelphia, Pa.
- GLADFELTER, Herbert S. (1910; Associate-Member, 1913), Junior M. E. U. S. Engr. Office, Box 1027, and *for mail*, 1605 Southern Ave., Memphis, Tenn.
- GLASER, Carl E. (Junior, 1913), Estimator, Hooven, Owens, Rentschler Co., and *for mail*, 130 Ludlow St., Hamilton, O.
- GLASGOW, Arthur G. (1892), Life Member; Chairman, Humphreys & Glasgow, Ltd., 36-38 Victoria St., London, S. W., England, and Richmond, Va.
- GLASGOW, Carr L. (1904; 1913), 65 Park Ave., New York, N. Y.
- GLASS, William C. (Junior, 1912), 114 Collins St., Woonsocket, R. I.
- *GLEASON, Gilbert H. (1906; 1912), Trooper, 1st Troop (Cavalry) Mass. State Guard; Mech. Equip., 141 Milk St., Boston, and *for mail*, 9 Central Ave., Newtonville, Mass.
- GLEASON, Kate (1914), Secy., Gleason Wks., Rochester, N. Y.
- GLEASON, William (1897), Pres., Gleason Wks., Rochester, N. Y.

- *GLENN, Edward R. (Junior, 1916), Lieut., 1438 N. 13th St., Philadelphia, Pa.
- GLENN, John F. (Associate, 1914), N. E. Sales Mgr., Edge Moor Iron Co., 79 Milk St., Boston, Mass.
- GLIMM, William F., Jr. (Junior, 1917), Chem. Engr., The Barret Co., Fairfield, and *for mail*, 3908 Parkway, Ensley, Ala.
- GLUCK, Edward V. (Junior, 1917), Supt. in charge Mfg. Depts., Soapitor Co., 154 W. 14th St., and *for mail*, 1100 W. Farms Rd., New York, N. Y.
- GLYNN, Frank L. (Associate-Member, 1913), Secy., Wis. State Bd. of Industrial Education, Capitol, Madison, Wis.
- GNADÉ, Edward R. (1899; 1905), Wks. Mgr., Oil Well Suply Co., Oil City, Pa.
- GOALWIN, Harry A. (Junior, 1917), Student, College of Physicians and Surgeons, 437 W. 59th St., and *for mail*, 911 Prospect Ave., New York, N. Y.
- GOCHER, John W. (1909), Supt. Robesonia Iron Co., Ltd., Robesonia, Berks Co., Pa.
- GODA, Peter H. (1916), M. P., Inspc., Pa. Lines, and *for mail*, 1119 College St., Fort Wayne, Ind.
- GODDARD, Archibald N. (1913), Asst. Treas., Genl. Mgr., Gorham & Goddard Co., 39-45 Congress St., W., and *for mail*, 929 E. Grand Blvd., Detroit, Mich.
- GODDARD, Arthur L. (1903), Supt. of Shops, Univ. of Wis., and *for mail*, 1717 Monroe St., Madison, Wis.
- GODEKE, Harry F. (1914), Assoc. in Steam Engrg., Univ. of Ill., Mech. Engrg. Lab., and *for mail*, 708 W. Elm St., Urbana, Ill.
- GODFREY, Dr. Hollis (1912), Commissioner Advisory Commission, Council of Natl. Defence, Washington, D. C., Pres., Drexel Inst., Philadelphia, and Cynwyd, Pa.
- GODSON, John A. (Junior, 1917), Draftsman, Williamsburg Power Sta., Brooklyn Rapid Transit System, and *for mail*, 315 Putnam Ave., Brooklyn, N. Y.
- GOEBLER, Charles (1913), Asst. Genl. Supt., The De Laval Separator Co., and *for mail*, 49 Corlies Ave., Poughkeepsie, N. Y.
- GOEDKOOP, Walter C. (Junior, 1916), Sales Engr., The N. Y. Steam Co., 280 Madison St., and 715 W. 180th St., New York, N. Y.
- GOELZ, Arnold H. (Associate-Member, 1914), Asst. Mgr., Kroeschell Bros. Ice Mch. Co., 472 W. Erie St., and *for mail*, 4731 Dover St., Chicago, Ill.
- GOENSCH, Otto (Associate-Member, 1917), Dept. Head, West. Elec. Co., Inc., Hawthorne Sta., Chicago, and *for mail*, 1927 S. 49th Ave., Cicero, Ill.
- GOENTNER, William B. (1905; 1914), Supt., McCabe Chem. Co., Charlotte, N. C.
- GOESER, Edwin W. (1917), Ch. Engr., Union Tool Co., Torrance, and *for mail*, 1852 W. 41st Drive, Los Angeles, Cal.
- GOETHALS, Major Genl. George W. (Honorary, 1917), Goethals, Jamieson, Houston & Jay, Inc., 40 Wall St., New York, N. Y.
- GOETTSCH, Julius (1914), Asst. Genl. Supt., Graham, Anderson, Probst & White, 1417 Ry. Exch. Bldg., Chicago, and *for mail*, 215 N. Grove Ave., Oak Park, Ill.
- GOETZ, Fred W. (Associate, 1909), V. P., Goetz Co., 1802 Clybourn Ave., and *for mail*, 5960 Kenmore Ave., Chicago, Ill.
- GOETZ, John (1916), V. P., Wks. Mgr., Kemp Smith Mfg. Co., Sta. A, Milwaukee, and 4918 Beloit Rd., West Allis, Wis.
- GOETZ, Victor J. (1893; 1915), Engr., Goetz Ice Mch. Co., 675 N. 12th St., and 5128 N. Carlisle St., Philadelphia, Pa.

- GOETZE, Frederick A. (1895; 1900), Treas., Comptroller, Columbia Univ., 63 Wall St. and 455 W. 141st St., New York, N. Y.
- *GOETZENBERGER, Ralph L. (Junior, 1916), First Lieut. O. D., U. S. R., Am. Expeditionary Forces; and 2621 Emerson Ave., S., Minneapolis, Minn.
- *GOING, Charles B. (1911), Major, O. O. R. C., U. S. A., 1757 K St., Washington, D. C.; Editor Wks. Management Library, V. P., The Engrg. Magazine Co., 140 Nassau St., New York, N. Y.
- GOLDBERG, Monroe S. (Junior, 1913), Pres., No. Waterproofing Co., 195 Lexington Ave., New York, and 585 E. 22d St., Flatbush, Brooklyn, N. Y.
- GOLDEN, M. J. (1892), Lafayette, Ind.
- GOLDIE, Alexander R. (Junior, 1902), Mgr., Goldie & McCulloch Co., Ltd., W. Main St., S., Galt, Ont., Canada.
- GOLDINGHAM, Arthur H. (1907), De La Vergne Mch. Co., foot of E. 138th St., and *for mail*, 552 Riverside Drive, New York, N. Y.
- GOLDSBOROUGH, Winder E. (1915), Cons. Engr., 52 Vanderbilt Ave., New York, N. Y.
- GOLDSCHMIDT, Otto E. (1912), Cons. Engr., 105 W. 40th St., and 350 W. 55th St., New York, N. Y.
- GOLDSMITH, Clarence (1911), Hyd. Engr., Natl. Bd. of Fire Underwriters, 76 William St., New York, N. Y., and 60 Elm St., Andover, Mass.
- GOLDSMITH, Lester M. (Junior, 1917), Engr. of Tests, Atlantic Refining Co., 3144 Passyunk Ave., and *for mail*, 2256 N. 13th St., Philadelphia, Pa.
- GOLDSMITH, Nathaniel O. (1900), Genl. Mgr., Weir Frog Co., Cincinnati, and *for mail*, 2319 Monroe Ave., Norwood, O.
- GOLDSMITH, William H., Jr. (1917), V. P., Anglo-Am. Textile Mch. Co., Abington, Mass.
- GOLDTHWAITE, Harry W. (1913), Ch. Engr., Edison Portland Cement Co., Stewartsville, N. J., and *for mail*, 705 Ferry St., Easton, Pa.
- GOOD, Edison B. (Junior, 1916), Fondis, Colo.
- GOOD, Paul E. (1915), M. E., Rateau Battu Smoot Co., 140 Cedar St., New York, N. Y., and 407 Linden Ave., Riverton, N. J.
- GOODENOUGH, Walter (1912), Genl. Mgr., Am. Intl. Shipbuilding Corp'n, 140 N. Broad St., Philadelphia, Pa.
- *GOODIER, Homer W. (Junior, 1916), 1st Cl. Private, Aviation Sec., S. E. R. O., and *for mail*, Clayville, N. Y.
- GOODING, Chas. S. (1904), M. E., Pat. Solicitor, 27 School St., Boston, and *for mail*, 116 Marion St., Brookline, Mass.
- GOODLING, H. P. (Associate, 1915), Sales Mgr., A. B. Farquhar Co., Ltd., and 47 N. Queen St., York, Pa.
- GOODMAN, Harry M. (Junior, 1917), Chaser, Fore River Shipbuilding Corp'n, and *for mail*, 26 Francis Ave., Box 142, Quincy, Mass.
- GOODMAN, William (1900; 1916), Mgr. Laidlaw Plant, Worthington Pump & Mch. Corp'n, Elmwood Pl., and *for mail*, 2058 Auburn Ave., Cincinnati, O.
- GOODRICH, Robert R. (1903), Metallurgist, Univ. of Idaho, Moscow, Idaho.
- GOODSELL, Charles D. (Junior, 1917), Maintenance, Engr., Weston Elec. Instrument Co., Weston Ave. and Waverly Park, and *for mail*, 50 Mapes Ave., Newark, N. J.
- GOODSPEED, Charles A. (Associate, 1917), Trustee, Henry Prentiss & Co., 149 Broadway, New York, N. Y., and 56 Ridge Rd., Rutherford, N. J.
- GOODSPEED, Charles B. (Associate-Member, 1916), V. P., The Buckeye Steel Castings Co., 619 Ry. Exch. Bldg., Chicago, Ill.

- GOODWIN, E. Clayton (1915), Asst. Treas., Hart & Cooley Co., and *for mail*, 4 Forest St., New Britain, Conn.
- GOODWIN, Guy L. (Associate-Member, 1917), Supt. Gas Plants, Union Oil Co. of Cal., Orcutt, and *for mail*, Santa Maria, Santa Barbara Co., Cal.
- GORDON, Albert A., Jr. (1911), Supt., Crompton & Knowles Loom Wks., and 26 Sagamore Rd., Worcester, Mass.
- GORDON, Byron B. (Associate, 1917), Scale Insp., Pa. Lines West of Pittsburgh, Columbus, O., and *for mail*, 530 Broadway, Logansport, Ind.
- GORDON, Henry D. (1896), M. E. Jenkins Bros., 80 White St., New York, N. Y., and 15 Evergreen Pl., East Orange, N. J.
- GORDON, Leo A. (Associate-Member, 1914), Supvg. Engr., City of Fall River, City Hall, and *for mail*, 161 Shawmut St., Fall River, Mass.
- GORDON, Rea M. (1902; 1908; 1912), Asst. Mgr. Steam and Testing Dept., Solvay Process Co., and *for mail*, 126 Dorset Rd., Syracuse, N. Y.
- GORDON, William (1912), Pres., The Wm. Gordon Corp., 107 W. 13th St., New York, and *for mail*, 235 Abingdon Rd., Kew Gardens, L. I., N. Y.
- GORDON, William A. (1917), Genl. Supt., Birmingham Iron Fdy., Derby, and *for mail*, 82 Myrtle St., Shelton, Conn.
- GORDON, William J. (1914), Mech. Supt., Internatl. Milling Co., New Prague, Minn.
- GORE, Warren W. (1908), Ch. Engr., Fuller & Johnson Mfg. Co., and *for mail*, 436 Marston Ave., Madison, Wis.
- GORHAM, Howard W. (Associate-Member, 1917), Asst. Supt. Raw Material Depts., Bridgeport Brass Co., and *for mail*, 84 Savoy St., Bridgeport, Conn.
- GORHAM, William R. (Junior, 1912), Mgr., Gorham Engrg. Co., 127 Mission St., San Francisco, and *for mail*, 220 Lake Shore Blvd., Oakland, Cal.
- GORTON, Charles E. (1915), Engr., Gorton & Lidgerwood Co., 96 Liberty St., New York, N. Y., and *for mail*, Box 337, Westfield, N. J.
- GORTON, J. C. (1897; 1899), M. E., Union Twist Drill Co., and *for mail*, 123 Ridge Ave., Athol, Mass.
- GOSS, Edward O. (1889; 1906), Genl. Mgr., Scovill Mfg. Co., and *for mail*, 90 Pine St., Waterbury, Conn.
- GOSS, Harry T. (1907), Cons. M. E., Goss & Bryce, 55 Liberty St., New York, N. Y., and 78 Chestnut St., Rutherford, N. J.
- GOSS, Stanley T. (1914), Mch. and Automatic Dept., New Britain Mch. Co., New Britain, Conn.
- GOSS, W. F. M. (1886), Manager, 1900-1903; Vice-President, 1909-1911; President, 1913; Life Member; Pres., Ry. Car Manufacturers Asso., Rm. 2216, 61 Broadway, New York, N. Y.
- GOUBERT, Auguste A. (1880), 90 West St., New York, N. Y., and Englewood, N. J.
- GOULD, Merle E. (Junior, 1916), Sales Mgr., Divine Bros. Co., and 1003 Steuben St., Utica, N. Y.
- GOULD, Norman J. (1900; 1908), Pres., Goulds Mfg. Co., and 28 Cayuga St., Seneca Falls, N. Y.
- GOULD, Webster V. (1887), Box 486, Chatham, N. Y.
- GOULD, William S. (Associate, 1914), Pres., Fuel Engrg. Co. of N. Y., 106 E. 19th St., New York, N. Y., and 176 Cooper Ave., Montclair, N. J.
- GOWIE, William (1905), 157 Warren Ave., Youngstown, O.
- GRABURN, Arthur L. (1913), Asst. Supt. Rolling Stock, Canadian No. Ry., and *for mail*, 47 Foxbar Rd., Toronto, Ont., Canada.

- GRACE, John F. (1915), Designing Engr., Henry R. Worthington, Harrison, and *for mail*, 76 Quincy Ave., Arlington, N. J.
- GRADY, Charles B. (1914), M. E., The N. Y. Edison Co., 124 E. 15th St., New York, N. Y., and 417 Gregory Ave., West Orange, N. J.
- GRADY, William H. (1915), Asst. Genl. Supt., Am. Creosoting Co., 807 Columbia Bldg., Louisville, Ky.
- GRAESSER, Carl F. (Junior, 1914), Sales Engr., Self Winding Clock Co., 161-165 Grand Ave., and *for mail*, 260 Clinton Ave., Brooklyn, N. Y.
- GRAF, John C. (Junior, 1913), Engr., Southwark Fdy. & Mch. Co., 4th and Washington Ave., and *for mail*, 327 Ashdale St., Philadelphia, Pa.
- GRAF, Samuel H. (Junior, 1912), Prof. Exper. Engrg., Ore. State Agri. College, Mech. Hall. and cor. 23d and Monroe Sts., Corvallis, Ore.
- GRAFF, Charles E. (1914), Mgr., Stand. Oil Co. of N. J., 26 Broadway, New York, N. Y., and 346 Arlington Ave., Jersey City, N. J.
- GRAFFAM, Walter S. (1914), Mgr., Affa Specialty Co., 34 Southbridge St., Worcester, Mass.
- GRAHAM, William H. (1911), Mech. and Met. Supt. N. S. Steel & Coal Co., Ltd., Sydney Mines, N. S., Canada.
- GRANGER, Abbott D. (1915), Pres., A. D. Granger Co., 15 Park Row, New York, and 677 Greene Ave., Brooklyn, N. Y.
- GRANGER, Dean M. (Associate-Member, 1917), Sales Engr., Washburn & Granger, 50 Church St., New York, and *for mail*, 198 Hooper St., Brooklyn, N. Y.
- GRANT, Albert W., Jr. (1913; Associate-Member, 1916), Asst. Supt., H. Koppers Co., First Natl. Bank Bldg., Pittsburgh, and 34 Thorn St., Sewickly, Pa.
- GRANT, Charles C. (Junior, 1910), Asst. M. E., Goodyear Tire & Rubber Co., and *for mail*, 1515 E. Market St., Akron, O.
- GRANT, George P., Jr. (Associate, 1916), Treas., Grant Yarn Co., Fitchburg, and Lunenburg, Mass.
- GRANTIER, Leslie V. (1915), Asst. Ch. Engr., McCord Mfg. Co., and *for mail*, 106 Gladstone Ave., Detroit, Mich.
- GRATIOT, James T. (Associate, 1917), Mgr., Coliseum Garage Co., Casper, Wyo.
- GRAUTEN, Sylvester H. (Associate-Member, 1913), Engr. Bd. of Control, Kansas City Rys. Co., 1500 Grand Ave., and 4224 Harrison St., Kansas City, Mo.
- GRAVER, Alexander M. (Junior, 1908), Sales Mgr., Wm. Graver Tank Wks., East Chicago, Ind., and 7359 Howard Ave., Chicago, Ill.
- GRAVES, James M. (1905; 1915), Supt. Power Stas., Duquesne Light Co., 435 Sixth Ave., Pittsburgh, Pa.
- GRAVES, Louis W. (1914), Constr. Engr., Am. Writing Paper Co., Holyoke, and *for mail*, 26 Westernview, Springfield, Mass.
- GRAVES, Ralph I. (Associate-Member, 1915), Mech. Expert, C. & N. W. Ry. Co., 226 W. Jackson Blvd., Chicago, and 1709 Ridge Ave., Evanston, Ill.
- GRAVES, Walter J. (1917), Asst. Engr., U. S. Engr. Office, and 612 Kimball St., Sault St. Marie, Mich.
- *GRAY, H. Liggett (Junior, 1916), Chief Machinist's Mate, U. S. N. R., and *for mail*, 50 W. 86th St., New York, N. Y.
- GRAY, Henry C. (Junior, 1917), 2401 Longest Ave., Louisville, Ky.
- GRAY, John Lamont (Associate, 1904), Engr., Shipbuilder, Gray Bros., and *for mail*, Athol, Russell St., Woodville, South Australia.
- GRAY, John Lathrop (1901; 1905), Mgr. Mfg. Dept., Pierce Oil Corp'n, 400 Olive St., St. Louis, and 30 Algonquin Lane, Webster Groves, Mo.
- GRAY, John R. (Associate-Member, 1915), Iota Rice Mill Co., Inc., Iota, La.

- GRAY, John W. (Junior, 1895), Asst. to Genl. Mgr., Newport News Shipbuilding & Dry Dock Co., 410 Harrison Bldg., and 430 S. 45th St., Philadelphia, Pa.
- GRAY, Niel, Jr. (1903), Prop., Oswego Mch. Wks., and 132 W. 5th St., Oswego, N. Y.
- GRAY, William E. (1907), V. P., Elyria Enameled Products Co., P. O. Box 68, and *for mail*, 220 Washington Ave., Elyria, O.
- GREAGAN, John J. (Associate-Member, 1917), Sales Engr., Allis-Chalmers Mfg. Co., Atlanta, Ga.
- *GREEN, Frederick W. (1913), Capt., Co. A, 12th Engrs., Amer. Exped. Force in France; Asst. to Pres., St. Louis Southwest Ry. Co., and *for mail*, 5139 Vernon Ave., St. Louis, Mo.
- GREEN, Harold L. (Junior, 1915), Res. Mgr. Cleveland Office, Scovell, Wellington & Co., 808 Illuminating Bldg., and Suite 3, 2221 Cummington Rd., Cleveland, O.
- GREEN, James B. (1912), Prod. Supt. Lucas Mch. Tool Co., and *for mail*, 10,608 Kimberly Ave., N. E., Cleveland, O.
- GREEN, Lloyd F. (Junior, 1917), Ch. Piece Rate & Bonus, Bethlehem Steel Co., Steelton, Pa., and 123 Spring Ave., Ridgewood, N. J.
- GREEN, Samuel M. (1890), Pres., Owner, Samuel M. Green Co., 293 Bridge St., and 325 Long Hill St., Springfield, Mass.
- GREEN, Thos. W. (1902), M. E., 118 Hoffman Ave., Trenton, N. J.
- GREEN, Walter H. (1916), Ch. Engr. Intl. Filter Co., 38 S. Dearborn St. and *for mail*, 1727 W. 101st St., Chicago, Ill.
- GREEN, William A. (Associate, 1917), care of Mrs. Leon Bligh, Sherman, N. Y.
- GREEN, Wm. O. (1891), Ogden, Sheldon & Co., 192 N. Clark St., and 1211 Asto St., Chicago, Ill.
- GREENE, Arthur M., Jr. (1895; 1903), Manager, 1913-1916; Vice-President, 1916-1918; Prof. M. E., Rensselaer Poly. Inst. and "Sunnyslope," Spring Ave., Troy, N. Y.
- *GREENE, Augustine E. (1909), Major, O. O. R. C.; Supt. Power Dept., Winchester Repeating Arms Co., and *for mail*, 131 Canner St., New Haven, Conn.
- GREENE, Edwin F. (1913), Pres., Lockwood, Green & Co., 60 Federal St., and 6 Chestnut St., Boston, Mass.
- GREENE, Ernest W. (1912; Associate-Member, 1913), N. Y. Mgr., Catton, Neill & Co., Ltd., 82 Wall St., New York, N. Y., and Nutley, N. J.
- GREENE, George F. (Junior, 1917), Ass't to Genl. Mgr.; Nazareth Fdy. & Mch., Co., and 166 S. Whitfield St., Nazareth, Pa.
- GREENE, Harris R. (Associate, 1907), Sales Engr., Sanford Riley, Stoker Dept., B. F. Sturtevant Co., 135 N. Third St., Philadelphia, and 100 Harvey St., Germantown, Philadelphia, Pa.
- GREENE, Harry T. (Associate-Member, 1916), Supt. of Maintenance, Wagner Elec. Mfg. Co., 6400 Plymouth Ave., and *for mail*, The Bristol Hotel, St. Louis, Mo.
- GREENE, Isaac C. (1882; 1886), Life Member; present address unknown.
- GREENE, Levi R. (1893), Cons. Engr., Walworth Mfg. Co., South Boston, and *for mail*, 8 Forest St., North Cambridge, Mass.
- GREENIDGE, Charles A. (1912), Elec. Ltg. Mgr., J. G. White & Co., Inc., 43 Exchange Pl., New York, N. Y.
- *GREENLEAF, Geo. E. (1892), Major, O. Bur., U. S. A.; Ch. Engr., Niles-Bement-Pond Co., and 652 W. 8th St., Plainfield, N. J.
- GREENMAN, Edwin G. (1907; 1913), Secy., Treas., Reliable Plumbing & Heating Co., 105 N. Walnut St., and *for mail*, 1400 W. Washington St., Champaign, Ill.
- GREENMAN, P. Ray (Junior, 1916), Tool Designer, Wright-Martin Aircraft Corp'n, and *for mail*, 308 George St., New Brunswick, N. J.

- GREENSMITH, James E. (1892), Pres., Treas., Boston Scale & Mch. Co., 381 Congress St., Boston, and *for mail*, 1074 Centre St., Newton Centre, Mass.
- *GREENWALD, Louis (Junior, 1916), Electrician Sergeant, Fort Schuyler, N. Y., and *for mail*, 317 E. 57th St., New York, N. Y.
- GREENWALL, Walter L. (1911), M. E., Nordberg Mfg. Co., and *for mail*, 583 Russell Ave., Milwaukee, Wis.
- GREENWOOD, Talma T. (Associate-Member, 1917), Patent Solicitor, B. J. Noyes, 40 Court St., Boston, and East Templeton, Mass.
- *GREF, William H. (Junior, 1914), Lieut., Torresdale Sta., Philadelphia, Pa.
- GREGER, Henrik (1904; 1915), M. E., The Prescott Co., Menominee, Mich.
- GREGG, Robert (Associate-Member, 1916), Secy., Treas., Atlantic Steel Co., P. O. Box 1714, and 960 Ponce de Leon, Atlanta, Ga.
- *GREGORY, William B. (1895; 1903), Manager, 1916-1919; Maj., E. O. R. C., Am., Expeditionary Forces to France; Prof. Exper. Engrg. Tulane Univ., Irrigation Engr., U. S. Dept. of Agri., 630 Pine St., New Orleans, La.
- GREIST, Alva O. (1917), Engr., The Foundation Co., 233 Broadway, and 8 Tyndall Ave., New York, N. Y.
- GREIST, Hubert M. (1915), Secy., Supt., Asst. Genl. Mgr., The Greist Mfg. Co., New Haven, Conn.
- GREIST, Percy R. (1913), Pres., Genl. Mgr., Hamel Shoe Mch. Co., Inc., Haverhill, Mass.
- GRELLE, Charles E. (Junior, 1900), Pres., The Independent Fdy. Co., 743 York St., Portland, Ore.
- GREMME, Henry F. (Junior, 1915), Asst. to Ch. Engr., Universal Transmission Co., Ltd., 120 Broadway, New York, N. Y., and *for mail*, 188 Santiago Ave., Rutherford, N. J.
- GREMPLE, Charles W. (1912), M. E., 49 W. 37th St., New York, N. Y.
- GRESSLY, Oscar E. (1912), Ch. Engr. Aliquippa Wks., Jones & Laughlin Steel Co., Woodlawn, and 434 East End Ave., Beaver, Pa.
- GREUL, W. Herman (1907), Otis Elev. Co., 11th Ave. and 26th St., and 660 Riverside Drive, New York, N. Y.
- GRIDLEY, George O. (1902), Mgr., The Natl. Acme-Mfg. Co., Windsor, Vt.
- GRIEPE, Augustus W. H. (1908), M. E., 707 Prospect Ave., New York, N. Y.
- GRIESS, Justin, Jr. (1898; Associate, 1902), Second V. P., The McMyler Interstate Co., Second V. P., The Inland Ord. Co., and *for mail*, Box 573, Bedford, Cleveland, O.
- GRIEVE, Albert (Associate-Member, 1915), Prof. Mch. Design, Lima, Sch. Min. Engrs., Municipal E. E., Lima City, Owner, Factoria y Garage, and *for mail*, Apartado 615, Peru, S. A.
- GRIFFIN, Charles L. (1893), Asst. Engr., The Solvay Process Co., and *for mail*, 207 Summit Ave., Syracuse, N. Y.
- GRIFFIN, Perley K. (Associate-Member, 1915), M. E., Harry M. Hope Engrg. Co., 185 Devonshire St., Boston, and *for mail*, 32 Newell Rd., Auburndale, Mass.
- GRIFFITH, Leigh M. (Associate-Member, 1915), Mgr., Engr., Griffith Mch. Wks., 1008 Santee St., and 2937 Hobart Blvd., Los Angeles, Cal.
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- GRIMM, Paul H. (1890), Ch. Engr., Arbuckle Bros., foot of Jay St., Brooklyn, and Glen Cove, L. I., N. Y.

- GRING, Wilbur D. (Junior, 1917), Supt. M. P., Newport & Sherman's Valley R. R. Co., Newport, Pa.
- GRISBAUM, Leonard D. (Junior, 1917), Dist. Mgr., Dravo-Doyle Co., Merchant Engrs., 809 Merchants Bank Bldg., and 946 N. Meridian St., Indianapolis, Ind.
- GRISSINGER, Elwood (1912), Cons. E. and M. E., 293 Lexington Ave., Buffalo, N. Y.
- GRISWOLD, F. M. (1914), Genl. Inspr., The Home Ins. Co., 56 Cedar St., New York, and 61 Euston Rd., Garden City, L. I., N. Y.
- GRISWOLD, Harry J. (Associate, 1913), Mgr., Dominion Engrg. & Inspec. Co., 320 LaGauchetiere St., W., Montreal, and 84 Percival Ave., Montreal, W., Que., Canada.
- GRISWOLD, Howard L. (Associate-Member, 1915), V. P., The O. G. Roberts Co., 933 E. Gay St., and *for mail*, 146 N. Monroe Ave., Columbus, O.
- GROBLI, Walter A. (Junior, 1916), M. E., Richard Airey, 50 Broad St., and *for mail*, 307 W. 4th St., New York, N. Y.
- GROENE, William F. (1908), Ch. Draftsman, Designer, The R. K. LeBlond Mch. Tool Co., 4609-4621 Eastern Ave., Cincinnati, and 1311 Delta Ave., Hyde Park, Cincinnati, O.
- GROFF, Howard M. (Associate-Member, 1917), Gage Expt., Frankford Arsenal, Bridesburg Sta., and *for mail*, 5022 Frankford Ave., Philadelphia, Pa.
- GROHMANN, Carl L. (1898), Ch. Engr., Pratt & Whitney Co., and *for mail*, 21 Barker Ave., Hartford, Conn.
- GROSNER, Gerald D. (Junior, 1916), 939 Massachusetts Ave., N. W., Washington, D. C.
- GROSSHEIM, Max K. (Associate-Member, 1917), Designer, L. O. Koven & Bro., 154 Ogden Ave., Jersey City, N. J., and *for mail*, 294 Henry St., Brooklyn, N. Y.
- GROSSMANN, Albert (1903), Cons. Engr., 112 Marlborough Rd., Brooklyn, N. Y.
- GROTHER, Walter (1917) Engr., O. L. Best Gas Traction Co., San Leandro, Cal.
- GROUT, Alvan L. (Junior, 1915), Y. M. C. A., Youngstown, O.
- GROVER, Atwood H. (Junior, 1914), M. E., Crocker-Wheeler Co., Ampere, and P. O. Box 188, Rockaway, N. J.
- GROVER, Charles L. (Junior, 1913), Leading Draftsman Turret Div. Ordnance Dept., Bethlehem Steel Co., South Bethlehem, and *for mail*, 1521 W. North St., Bethlehem, Pa.
- GROVER, Marcus A. (1903; 1909), Asst. M. E., Tenn. Coal, Iron & R. R. Co., Bessemer, and *for mail*, P. O. Box 590, Birmingham, Ala.
- GRUNERT, Arthur E. (Junior, 1915), Asst. Efficiency Engr., Commonwealth Edison Co., Sta. No. 1, 22d and Fisk Sts., and 3438 Broadway, Chicago, Ill.
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- GUBELMAN, Frederick J. (Associate, 1895), Pres., Regina Co., East, Constr. Co., 47 W. 34th St., New York, N. Y., and Woodlawn Ave., Englewood, N. J.
- GUDHEIM, Harry E. (1914), Assoc. Prof. Graphics, Va. Poly. Inst., Blacksburg, Va.
- GUELBAUM, David (1894; 1905), M. E., P. O. Box 293, Syracuse, N. Y.

- *GUEST, W. E. (Junior, 1917), Capt., O. O. R. C., Prod. Supt., The Am. Tool Wks. Co., and 3117 Glendon Ave., Cincinnati, O.
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- GUILLO, Harry P. (1912), Supt., Geo. H. Morrill Co., and *for mail*, 42 Marion Ave., Norwood, Mass.
- *GUISE, Hiram B. (1912), Major, O. D., O. R. C., Industrial Engr., Rubber Regenerating Co., Mishawaka, Ind., and 103 Meadow St., Naugatuck, Conn.
- *GUITERAS, Julian G. (Junior, 1916), Capt., 4th Engrs., Co. B, U. S. A., Vancouver Barracks, Washington, D. C., and *for mail*, care of Mr. Carlos Diaz de Villalvilla, 536 W. 113th St., New York, N. Y.
- GULDLIN, Olaf N. (1905), Pres., Genl. Mgr., The West. Gas Constr. Co., and 2306 Fairfield Ave., Fort Wayne, Ind.
- GULICK, Henry (1915), Pres., Gulick-Henderson Co., 21 Park Row, and 11 Cyprus Ave., New York, N. Y.
- GULLEY, Laurence R. (Associate-Member, 1917), Mgr., Ch. Engr., The Burr Co., Champaign, and *for mail*, 907 Nevada St., Urbana, Ill.
- GULLIVER, Albert E. (Associate-Member, 1917), Cr. Engr., Trenton & Mercer County Traction Corp'n, 137 E. State St., and *for mail*, 224 Cook Ave., Trenton, N. J.
- GULOWSEN, G. A. (1897), Draftsman, The Babcock and Wilcox Co., Bayonne, N. J., and *for mail*, Huguenot Park, S. I., N. Y.
- GUMP, Walter B. (Junior, 1902), M. E., Armour & Co., and *for mail*, 4553 Oakenwald Ave., Chicago, Ill.
- GUNAGAN, Richard H. (1911), M. E., Asst. Supt., The Fidelity & Casualty Co., 92 Liberty St., New York, and *for mail*, 108 Albany Ave., Brooklyn, N. Y.
- *GUNBY, Frank M. (1915), Major, Quartermaster U. S. R., Cantonment Div., Q. M. G. O., Washington, D. C., and *for mail*, 201 Devonshire St., Boston, Mass.
- GUNKEL, Frederick H., Jr. (Junior, 1916), Member of Plant Engr. Force, Am. Telephone & Telegraph Co., Rm. 1008, 195 Broadway, New York, N. Y., and *for mail*, 93 Summit Cross, Rutherford, N. J.
- GUNN, Charles M. (1911), Member of Firm, Wood, Huddart & Gunn, 444 Market St., San Francisco, and 22 Sunshine Ave., Sausalito, Cal.
- GUNN, Thomas McC. (1911), Tech. Aide to Ch. of Steel Shipbuilding Div., U. S. Shipping Bd., Washington, D. C., and *for mail*, care Am. Soc. M. E., 29 W. 39th St., New York, N. Y.
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- GUNTHER, Charles O. (1900; Associate, 1905), Prof. Math., Stevens Inst. of Tech., Cons. Engr., Spec. in Chimney Design and Constr., P. O. Box 77, Hoboken, N. J.
- GURNEY, Dayton, A. (1914), Draftsman in Charge Ordnance Office, U. S. A., 1800 E St., N. W., and *for mail*, 2407 N. Capitol St., Washington, D. C.
- GURNEY, Erving R. (1913), Asst. Engr., Knox Motors Co., and *for mail*, 372 Sumner Ave., Springfield, Mass.
- GURNEY, Howard F. (1914), Pres. Gurney Elec. Elev. Co., Honesdale, Pa.
- GUSTAFSON, Lewis (Associate, 1914), Supt., The David Ranken Jr. Sch. of Mech. Trades, 4420 Cook Ave., and 5866 Julian Ave., St. Louis, Mo.
- GUTEKUNST, Frederick C. (Associate-Member, 1916), Production Engr., Eddystone Ammunition Co., Eddystone, and *for mail*, 1816 E. Schiller St., Philadelphia, Pa.

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- GUTHRIE, John F. (Junior, 1917), M. E., Arnold Print Wks., and *for mail*, 11 Chase Ave., North Adams, Mass.
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- HAASIS, Paul W. (Junior, 1916), Machinist, Garfield Smelting Co., Garfield Smelter, and *for mail*, Box 233, Garfield, Utah.
- HACKSTAFF, Frederick W. (Junior, 1907), Mgr. Marine Dept., Am. Mfg. Co., Noble and West Sts., and 1244 Union St., Brooklyn, N. Y.
- HACKSTAFF, John D. (1901; 1917), Genl. Mgr., Empire Pipeline Co., Bartlesville, Okla.
- HADAWAY, John B. (1912), Charge Exper. Dept., United Shoe Mch. Co., Beverly, and *for mail*, 120 Elmwood Rd., Swampscott, Mass.
- HADFIELD, Sir Robert A., F. R. S. (1907), Chairman, Hadfield Co., Sheffield, and 22 Carlton House Terrace, London, S. W., England.
- HADLEY, Frederick V. (1916), Ch. Engr., Am. Incandescent Heat Co., Inc., 10 Post Office Sq., and 821 Beacon St., Boston, Mass.
- HADLEY, Samuel L. (1916), Mgr., Mfg. and Sales Dept., Fairbanks, Morse & Co., 900 S. Wabash Ave., Chicago, and Hindman and Kedzie Ave., Evanston, Ill.
- HADLEY, Warren B. (1914), E. E., Dist. of Columbia, District Bldg., and 3031 Seventh St., N. E., Washington, D. C.
- HADLOW, H. Ralph (1916), M. E., The Watson Engrg. Co., 1150 Leader-News Bldg., Cleveland, and 1808 Garfield Rd., East Cleveland, O.
- HAFFER, Geo., Jr. (1914), Kaolin Products Corp'n, 120 Broadway, and *for mail*, 37 Madison Ave., New York, N. Y.
- HAFF, Raymond E. T. (Junior, 1912), Exper. Engr., E. I. du Pont de Nemours & Co., and 6 Ramsay Ave., City Point, Va.
- HAGAR, Arthur P. (1907; 1912), Engr. Marine Dept., Safety Car Htg. & Ltg. Co., 206 Erie St., Jersey City, and *for mail*, 458 Clifton Ave., Newark, N. J.
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- HAGEMANN, George E. (Junior, 1914), Instr. M. E., Univ. of Pa., Towne Scientific Sch., and 1017 S. Ithan St., Philadelphia, Pa.
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- HAGERTY, Walter W. (Junior, 1905), Roessler & Hasslacher Chem. Co., Perth Amboy, N. J., and 720 Quincy St., Brooklyn, and *for mail*, Tottenville P. O., S. I., N. Y.
- HAGGERTY, Edward D. (Associate-Member, 1915), Safety Engr., Employers Mutual Ins. Co., 61 Wall St., and *for mail*, 100 W. 163d St., New York, N. Y.
- HAGLUND, Gustav (1909), Associate-Member, 1916), Pub. Serv. Elec. Co., Newark, N. J., and *for mail*, 402 Ocean Ave., Brooklyn, N. Y.
- HAGMAN, W. J. (1901), Genl. Mgr., Bement Miles Wks., Niles Bement Pond Co., 21st and Callowhill Sts., and Sunderland House, Philadelphia, Pa.

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- HAGY, J. Lawrence (1901; 1916), Engr., Instr., 17th and Wood Sts., Philadelphia, and *for mail*, 917 Wynnewood Rd., Overbrook, Pa.
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- HAIGHT, Harry V. (1899; 1907), Ch. Engr., Canadian Ingersoll-Rand Co., Ltd., and *for mail*, 30 Portland Ave., Sherbrooke, Que., Canada.
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- HAINES, J. Edgar (Junior, 1916), Supv. Draftsman, Duquesne Light Co., Rm. 914, 435 Sixth Ave., and *for mail*, 6920 ½ Bishop St., Pittsburgh, Pa.
- HAINES, Philip G. (Junior, 1913), Engrg. Dept., Goodyear Tire & Rubber Co., Akron, O.
- HALAMA, Frederick D. H. (Junior, 1917), Mech. Draftsman Pub. Wks. Dept., Norfolk Navy Yard, Norfolk, and *for mail*, Hampton Apts., Hampton Pl., Portsmouth, Va.
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- HALE, Richard A. (1917), Prin. Asst. Engr., Essex Company, and Cons. Engr., Lawrence, Mass.
- HALE, Robert M. (1912), Ch. Engr., The J. B. Kirk Gas & Smelting Co., Checotah, Okla.
- HALE, Robert S. (1894; 1897; 1899), Supt. Spec. Research Dept., Edison Elec. Ill. Co. of Boston, 39 Boylston St., and *for mail*, 939 Boylston St., Boston, Mass.
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- HALL, Charles R. (Associate-Member, 1917), Mgr. Mech. Sales Dept., Diamond Rubber Co., 1780 Broadway, New York, N. Y., and 246 William St., East Orange, N. J.
- HALL, Dwight K. (Junior, 1910), Factory Supt., Frank A. Hall & Sons, Southfields, and *for mail*, 37 South St., Goshen, N. Y.
- *HALL, Harris F. (1911), Capt., Co. M, 6th Inf., Ill. N. A., and 309 W. 16th St., Chicago Heights, Ill.
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- HALL, John A. (1916), Pres., Hall Mch. Co., Elizabeth, and 116 6th Ave. E., Roselle, N. J.
- *HALL, Keppeler (1914), Capt. Ord. Dept. U. S. R., Supply Div., 1330 F St., and 1448 Park Rd., Washington, D. C.
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- *HALL, Quincy A. (1914), Capt., Engr. Corps; Inspg. and Test. Engr., 481 Endicott Bldg., St. Paul, Minn.

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- HALL, Roland B., Jr. (1915), Southeastern Mgr., Ames Iron Wks., Consld. Engrg. Co., 515 Third Natl. Bank Bldg., and 139 Myrtle St., Atlanta, Ga.
- HALL, Stephen S. (1912), Secy., The Pickering Governor Co., and 341 Main St., Portland, Conn.
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- HALL, Walter H. (1914) Works Engr., Remington Union Metallic Cart-ridge Co., and *for mail*, P. O. Box 198, Swanton, Vt.
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- HALL, Winthrop G. (1915), Genl. Supt., Spencer Wire Co., 91 Webster St., and 46 Tirrell St., Worcester, Mass.
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- HALLADAY, Harry F. (1903; 1913), Asst. Ch. Engr., N. Y. Air Brake Co., and *for mail*, 1134 Boyd St., Watertown, N. Y.
- HALLENBECK, George E. (1908), M. E., Baker Bros., Post St., and Westlake Ave., and 2403 Lawrence Ave., Toledo, O.
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- HALYBURTON, Frederick J. (Associate-Member, 1915), Hampton, N. J.
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- HAMAKER, Rex G. (Junior, 1917), Gang Pusher, Standard Oil Co., Drawer "J," Whittier, Cal.
- HAMBROCK, Oscar F. (Junior, 1917), Spec. Apprentice, Pa. Lines West, Office of Asst. Engr. M. P., and *for mail*, 2818 Jane St., Fort Wayne, Ind.
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- HAMILTON, Henry A. (Associate-Member, 1915), Asst. Mgr., Mengel Box Co., Box 36, Five Corners Sta., and *for mail*, 54 Magnolia Ave., Jersey City, N. J.
- HAMILTON, James (1898), Pat. Lawyer, 31 Nassau St., New York, N. Y., and *for mail*, 80 Beech St., East Orange, N. J.
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- HAMILTON, John W. (1914), Pres., Hamilton & Chambers Co., Inc., 29 Broadway, New York, and 96½ Hicks St., Brooklyn, N. Y.
- HAMILTON, Kenneth D. (Junior, 1916), M. E., Geo. E. Keith Co., and *for mail*, 11 Cushing Ave., Campello, Mass.
- HAMILTON, Ralph B. (1907), Pres., The Packard Elec. Co., Ltd., Pres., The Cary Safe Co. of Buffalo, N. Y., Pres., The Packard Fuse Co., Ltd., and 30 Bellevue Terrace, St. Catharines, Ont., Canada.
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- HAMMER, Edwin W. (1913), Cons. E. and M. E., Pat. Expt., Solicitor of Patents, 160 Broadway, and 876 Park Ave., New York, N. Y.
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- HEINEMANN, Adelbert L. (Junior, 1914), Instr. of Apprentices, Pa. R. R. Co., Apprentice Sch., and *for mail*, 1104 14th Ave., Altoona, Pa.
- HEINEN, Emil J. (1910; 1913), Strong-Scott Mfg. Co., Minneapolis, Minn.
- HEINZE, John O. (1913), 535 Varnum Ave., Lowell, Mass.
- HEISLER, Charles L. (1895), M. E., Washington Steel & Ordnance Co., Washington, D. C.
- HEISLER, F. Wm. (1897; 1909), Shop Engr., Am. Loco. Co., and *for mail*, 35 Glenwood Blvd., Schenectady, N. Y.
- HEIZMANN, Louis J. (Junior, 1907), V. P., Penn Hardware Co., and *for mail*, 318 N. 5th St., Reading, Pa.
- HELANDER, Linn (Junior, 1916), Editorial Staff, *The Iron Age*, 239 W. 39th St., New York, N. Y., and 2857 N. Kedzie Ave., Chicago, Ill.
- HELLER, H. Howard (1909), 104 John St., New York, N. Y.
- HELMES, M. J. (1903; 1915), Cons. Engr., Caxton House, London, S. W., England.
- HELMREICH, L. W. (Associate-Member, 1913), Head Elec. Dept., Ranken Mech. Sch., 4420 Cook Ave., and 3620a N. Taylor Ave., St. Louis, Mo.
- HELMSTAEDTER, William E. (1915), M. E., The Celluloid Co., 290 Ferry St., and *for mail*, 17 Wall St., Newark, N. J.
- HELPBRINGER, J. N. (Junior, 1917), Supt. of Power Plants, Kansas Gas & Elec. Co., and 121 E. 17th St., Wichita, Kan.
- HELVEY, Clarence H. (Junior, 1905), Sales Engr., Black-Clawson Co., and *for mail*, 318 S. D. St., Hamilton, O.
- HELWIG, Alfred (1916), Engr. Steam Operation, Edison Elec. Ill. Co. of Brooklyn, 360 Pearl St., and 7001 Tenth Ave., Brooklyn, N. Y.
- HEM, H. O. (1909), Cons. Engr., Toledo Scale Co., Toledo, O.
- HEMMERLY, William D. (Associate, 1915), Scientific Management, 310 Yale Ave., New Haven, Conn.
- HEMSTREET, Geo. P. (1906), Genl. Wks. Mgr., Hastings Pavement Co., P. O. Box 638, and 50 Circle Driveway, Hastings-on-Hudson, N. Y.
- HEMSTROUGHT, Harry B. (Junior, 1914), Clerk to Supt., Bureau of Water, and *for mail*, 46 Chestnut St., Binghamton, N. Y.
- HENDERSON, Clark T. (1910; 1913), Ch. Engr., Submarine Boat Corp'n, Port Newark Terminal, Newark, N. J.
- HENDERSON, Ernest G. (1916), Pres., The Canadian Salt Co., Ltd., and 147 Victoria Ave., Windsor, Ont., Canada.
- HENDERSON, George R. (1890), Cons. Engr., The Aldine, Philadelphia, Pa.
- HENDERSON, Herbert (1914; 1916), Cons. Engr., Gulf Refining Co., and 2625 Lake Shore Drive, Port Arthur, Tex.
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- HENDERSON, Joseph W. (1916), Ch. Bureau of Smoke Regulation, City of Pittsburgh, V. P., Gulick-Henderson, 525 Third Ave., and *for mail*, 5865 Douglass Ave., Pittsburgh, Pa.
- HENDERSON, Malcolm M. (1916), Ch. M. E., Commonwealth Rys., "Chelford House," Russell St., Melbourne, Victoria, and "Calydon," 309 Auburn Rd., Auburn, Victoria, Australia.

- HENDERSON, Robert H. (1907), Mgr., Henderson Elec. Co., Ampere, and *for mail*, 157 Greenwood Ave., East Orange, N. J.
- *HENDRICK, Wallace M. (Junior, 1912), 1st Lieut., 301st Engrs., O. R. C., and *for mail*, 11 Clarkson Ave., Brooklyn, N. Y.
- HENDRIE, George A. (Associate-Member, 1916), Am. Cyanamid Co., 511 5th Ave., New York, N. Y., and *for mail*, P. O. Box 36, Elizabeth, N. J.
- HENDRY, W. Ferris (1907), Tech. Supt., West. Elec. Co., Hawthorne Sta., Chicago, Ill., and *for mail*, 463 West St., New York, N. Y.
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- HENES, Henry W. (Junior, 1909), Sales Engr., Stromberg Motor Devices Co., 68 E. 25th St., and *for mail*, 462 Deming Pl., Chicago, Ill.
- HENES, Louis G. (1903; Associate, 1910), Mch. Shop Equip., Rm. 1037 Monadnock Bldg., San Francisco, and 749 Oakland Ave., Oakland, Cal.
- *HENLEY, Erl K. (Junior, 1917), Lieut., U. S. N. R. F., and *for mail*, 204 Chesterfield Blvd., Norfolk, Va.
- HENLEY, Roy A. (1917), Genl. Supt., The Am. Cement Plaster Co., Rm. 1153, 111 W. Washington St., and 5625 Kenmore Ave., Chicago, Ill.
- HENLEY, William W. (1913), Prof. M. E., Univ. of Ariz., Tucson, Ariz.
- HENN, Edwin C. (1913), V. P., Genl. Supt., The Natl. Acme Co., and 7500 Stanton Ave., Cleveland, O.
- HENN, Oliver L. (Junior, 1913), Supt., The Natl. Acme Co., Windsor, Vt.
- HENNEY, David (1908), Cons. Engr., 55 Liberty St., New York, N. Y., and *for mail*, 88 Lorraine Ave., Upper Montclair, N. J.
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- HENNING, Charles F. (1917), Mgr., Fireproofing Dept., Gypsum Fireproofing Co., 205 W. Monroe St., and 1325 Winnemac Ave., Chicago, Ill.
- HENNING, John L. (1913), V. P., Ch. Engr., The Union Sulphur Co., Sulphur, La.
- HENNING, Warren K. (Associate, 1915), Sales Engr., Murphy Iron Wks., 1541 Marquette Bldg., Chicago, and *for mail*, 810 S. Harvey Ave., Oak Park, Ill.
- HENRY, Alexander S. (1914), V. P., Ry. Steel-Spring Co., 30 Church St., and 333 Central Park West, New York, N. Y.
- *HENRY, Alexander S., Jr. (Junior, 1916), Aviation Corps., No. 104 Aero Squadron, and 333 Central Park West, New York, N. Y.
- HENRY, Ferdinand G. (1914), Ch. Engr., Burkhart Corp'n, 2123 Land Title Bldg., Philadelphia, Pa., and *for mail*, 18 W. 102nd St., New York, N. Y.
- HENRY, Frank E. (1917), Asst. Mgr., Farrell Wks., Am. Sheet & Tin Plate Co., Farrell, and 16 Alcoma St., Sharon, Pa.
- HENRY, Geo. J. (1901), Cons. Hyd. and M. E., 737 Rialto Bldg., San Francisco, Cal.
- HENRY, Harold W. (Junior, 1916), M. E., Port Henry, N. Y.
- HENRY, Jos. S. (1911), Cons. Engr., Hargraves St., Castlemaine, Victoria, Australia.
- *HENRY, Vernor S. (Junior, 1914), 1st Lieut., O. D., U. S. R., Mch. Gun Sec., 1703 New York Ave., Washington, D. C.
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- HENRY, William M. (Junior, 1915), Wks. Mgr., Henry & Allen, and 1 Swift St., Auburn, N. Y.

- HENRY, William T. (1887), P. O. Box 152, Fall River, Mass.
- HENSALL, Percival P. (Junior, 1915), Asst. Supt., Stokes & Smith Co., Summerdale, Philadelphia, and *for mail*, 3650 N. Broad St., Philadelphia, Pa.
- HENSHAW, Frederick V. (1900), Cons. Engr., 25 Nassau St., New York, N. Y.
- HENSZEY, Roy O. (Associate-Member, 1917), Engr., Arch., Carnation Milk Products Co., Oconomowoc, Wis.
- HEPBURN, Harry M. (1913), Prop., H. M. Hepburn Mfrs. Agt. & Commissions, 244 California St., and *for mail*, 90 Seaview Ave., Piedmont, Oakland, Cal.
- HEPBURN, Louis L. (Junior, 1917), Foreman in Mch. Shop, Midvale Steel Wks., Nicetown, and *for mail*, 715 Vernon Rd., Mt. Airy, Philadelphia, Pa.
- HEPKE, George A. (Junior, 1912), Mgr. of Sales, The Hooven, Owens, Rentschler Co., and 210 Chestnut St., Hamilton, O.
- HERB, Arthur (Junior, 1905), M. E. J. Schwarzwald & Sons, Inc., 18th and Magnolia Sts., and Breckenridge Apts., Louisville, Ky.
- HERBERT, Charles G. (1900), Ch. Engr., The Solvay Process Co., and Solvay Sta., Syracuse, and 1 Barclay St., Solvay, N. Y.
- HERBERT, Frederick D. (1899; 1907) N. Y. Mgr., Terry Steam Turbine Co., 90 West St., New York, N. Y., and *for mail*, 21 Marion Rd., Upper Montclair, N. J.
- *HERBERT, Jack S. (1908), Capt., E. O. R. C., and 223 Main St., Johnstown, Pa.
- HERING, Rudolph (1906), Life Member; Cons. Engr., 170 Broadway, New York, N. Y., and 40 Lloyd Rd., Montclair, N. J.
- HERMAN, Dr. S. James (Associate-Member, 1915), V. P., Genl. Mgr., Diamond Power Spec. Co., 82 First St., Detroit, Mich.
- HERMANSON, Theodore H. (1915), Supt., Henry R. Worthington, Harrison, and 10 Washington Pl., Newark, N. J.
- HERN, Joseph L. (1914), Cons. M. E., J. L. Hern Engrg. Co., 68 East St., and 34 Adams St., Dorchester, Mass.
- HERNON, Joseph L. (Associate-Member, 1917), Supt. Engrg., Repair and Supply Depts., Douglas Robinson, Charles S. Brown Co., 14 Wall St., and 502 W. 113th St., New York, N. Y.
- HERR, Benjamin M. (1915), District Mgr., Edward Valve & Mfg. Co., First Natl. Bank Bldg., and 5428 Avondale Pl., Pittsburgh, Pa.
- HERR, Donald D. (1914), V. P., Arthur G. McKee & Co., 1301 Rockefeller Bldg., and 9400 Euclid Ave., Cleveland, O.
- HERR, Edwin M. (1891), Vice-President, 1910-1912; Pres., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 140 Hutchinson Ave., Edgewood Park, Pa.
- HERR, George D. (Junior, 1915), Dept. Supt., Sayles Bleacheries, Saylesville, and *for mail*, 46 Allen Ave., Pawtucket, R. I.
- HERR, Herbert T. (1907), V. P., The Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 218 S. Dallas Ave., Pittsburgh, Pa.
- *HERRCKE, Ernest A. (Junior, 1914), Capt., O. O. R. C., Supt., La Salle Mch. & Tool Co., La Salle, Ill.
- HERRESHOFF, J. B. Francis (1894), V. P., Nichols Copper Co., Cons. Engr., Genl. Chem. Co., 25 Broad St., and *for mail*, 620 West End Ave., New York, N. Y.
- HERRICK, Carl A. (1912), Cons. Engr., 3816 Thomas Ave., S., Minneapolis, Minn.
- HERRICK, Charles H. (1910), N. E. Rep. Gas Eng. Dept., National Meter Co., 159 Franklin St., Boston, and High St., Winchester, Mass.
- HERRICK, Daniel A. (Junior, 1915), Supt., Julian d'Este Co., 26 Canal St., Boston, and *for mail*, 15 Glenville Ave., Allston Sta., Boston, Mass.

- HERRICK, James A. (1880), Cons. Engr., 271 Broadway, and Judson Hotel, Washington Sqr., New York, N. Y.
- HERRON, James H. (1897; 1905), Metallurgical Chem., Testing, Inspecting Engr., 2041 E. 3d St., and 2862 Fairmount Blvd., Sta. E., Cleveland, O.
- HERSCHMANN, Arthur J. (1900; 1905), Watchung, N. J.
- HERSEY, Mayo D. (1912; Associate-Member, 1915), Assoc. Physicist, U. S. Bureau of Standards, and *for mail*, 1823 Vernon St., N. W., Washington, D. C.
- HESS, Alexander McD. (Junior, 1916), Ch. Engr., Hermon & Hermon, Perth Amboy, N. J., and 380 Pine St., Brooklyn, N. Y.
- HESS, Ernest E. (Junior, 1917), Draftsman, Designer, Spang & Co., and Younkins Bldg., Butler, Pa.
- HESS, H. Lawrence (Junior, 1914), V. P., The Hess Steel Corp., Sta. O, Baltimore, and Hollen Rd., Cedarcroft, Baltimore, Md.
- HESS, Henry (1906), Manager, 1911-1914; Vice-President, 1914-1916; Life Member; 308 Bailey Bldg., Philadelphia, Pa.
- HESSENBRUCH, George S. (1915), Cons. Engr., Suite 920 Victoria Bldg., St. Louis, and 550 Ridge Ave., Webster Groves, Mo.
- HESSLER, George M. (1916), Asst. M. M., Inland Steel Co., and *for mail*, 3817 Hemlock St., Indiana Harbor, Ind.
- HETZEL, Frederic V. (1917), Ch. Engr., Link-Belt Co., and *for mail*, 1237 N. Alabama St., Indianapolis, Ind.
- HETZEL, Roland F. (Junior, 1915), Engr.-Draftsman, Ames Shipbuilding & Drydock Co., and *for mail*, 3941 Roosevelt St., Seattle, Wash.
- HEULINGS, Samuel M. (1916), Dairy Engr., Sheffield Farms Co., 524 W. 57th St., and *for mail*, 605 W. 112th St., New York, N. Y.
- HEWITT, Carl T. (1916), Metallurgist, Test. Engr., Fafnir Bearing Co., New Britain, Conn.
- HEWITT, Edward R. (1913), Cons. Engr., Internal Motor Co., 64th St. and West End Ave., and *for mail*, 127 E. 21st St., New York, N. Y.
- *HEWITT, Richard B. (1917), Capt., Engrs. Dept., Amer. Exped. Force, France, and 200 Oakland Ave., Birmingham, Mich.
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- HEWLETT, Edward M. (1897; 1900), Engr. of Switchboard Dept., Genl. Elec. Co., and Ballston Rd., R. D., Schenectady, N. Y.
- HEWLETT, Van Wych, Jr. (Junior, 1916), Asst. Engr., Rainer Motor Corp'n, Flushing, and *for mail*, Woodmere, L. I., N. Y.
- HEY, Harry A. (1910; 1914), Mech. Engrg. Dept., Singer Mfg. Co., Elizabethport, and 81 Summit Rd., Elizabeth, N. J.
- HEYERDAHL, Thorvald (1912), Ch. Engr., Halvden Svartegate, 40B, Kristiania, Norway.
- HEYWARD, Theodore C. (Associate-Member, 1915), Asst. Mgr., Thomas B. Whitted, 1100 Realty Bldg., and 214 10th Ave., Charlotte, N. C.
- HEYWOOD, Charles E. (Junior, 1917), Pub. Dept., Sec. Auto. Engrs., 29 W. 39th St., and *for mail*, 415 Ft. Washington Ave., New York, N. Y.
- HIBBARD, H. Wade (1891; 1894), Prof. M. E., Univ. of Mo., and *for mail*, 1307 Keyser Ave., Columbia, Boone Co., Mo.
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- HIBBARD, Leonard J. (Associate, 1913), Genl. Mgr., L. J. Hibbard Co., 405 World Bldg., New York, N. Y.
- HIBBARD, Robert L. (1913), Asst. Mgr., Gas Engr., Riter-Conley Co., Pittsburgh, Pa.

- HIBBARD, Thomas (1889), Treas., M. E., Geo. Lawley & Son Corp., Neponset, and *for mail*, 17 Nottingham St., Dorchester, Mass.
- HICKERSON, George A. (Junior, 1916), Engr., McKesson & Robbins, Inc., 91 Fulton St., New York, and 1544 48th St., Brooklyn, N. Y.
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- HICKS, William A. B. (1915), Ch. Draftsman, Wm. Camp & Sons, Ship and Engine Bldg. Co., Richmond and Morris Sts., Philadelphia, Pa.
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- HIDER, George T. (1911; Associate-Member, 1916), Partner, Bell & Hider, Lake Providence, La.
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- HIGGINS, Campbell P. (1893), 127 E. 5th Ave., Roselle, N. J.
- HIGGINS, George F. (1886; 1906), Treas., Gem Stamped Steel Co., Chelsea Sta., Boston, and *for mail*, 41 Mt. Vernon St., Melrose, Mass.
- HIGGINS, John W. (1902; 1913), Pres., Treas., Worcester Pressed Steel Co., Randolph Rd. and Barber Ave., and *for mail*, 80 William St., Worcester, Mass.
- HILDEBRAND, Harry D. (1916), Pres., Hope Engrg. & Supply Co., and 508 Ivy St., Pittsburgh, Pa.
- HILDENBRAND, Harry (1909; 1916), Genl. Supt., Houston Cotton Oil Mill, P. O. Box 278, and 1315 Hadley Ave., Houston, Tex.
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- HILE, Charles H. (1916), Secy., N. E. St., Ry. Club, 12 Pearl St., Boston, Mass.
- *HILES, Elmer K. (1900; 1906), Capt., 5th Reg't., E. O. R. C., M. E., 567 Union Arcade Bldg., and *for mail*, 5712 Hampton St., Pittsburgh, Pa.
- HILGARTNER, George H. (1913), Cons. Engr., Export Leaf Tobacco Co., British Am. Tobacco Co., 900 N. Lombardy St., Richmond, and 413 Brook Rd., Ginter Park, Richmond, Va.
- HILL, Anthony S. (Associate, 1917), Mgr. East and Export Office, The Enterprise Co., 90 West St., and 561 W. 189th St., New York, N. Y.
- HILL, B. Houston (Associate, 1916), Pres., Steam Equip. Mfg. Co., 8077 Jenkins Arcade Bldg., and 5031 Bayard St., Pittsburgh, Pa.
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- HILL, E. Rowland (1907), Cons. Engr., Gibbs & Hill, Pa. Sta., New York, N. Y., and 111 S. Munn Ave., East Orange, N. J.

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- *HILL, Francis L. (Junior, 1916), 2nd Lieut., Co. H., 1st Virginia Inf., P. O. Box 236, Lexington, N. C.
- HILL, George F. (1914), Engr., Contr., 15 E. 40th St., and 458 W. 152d St., New York, N. Y.
- HILL, Harold H. (1904; 1915), Dist. Sales Mgr., Erie City Iron Wks., 819 Citizens Bldg., Cleveland, and Hilltop Farm, Wickliffe, O.
- HILL, Maxwell H. (Junior, 1917), Mch. Designer, Draftsman Camera Wks., Eastman Kodak Co., and *for mail*, 29 Parkdale Terrace, Rochester, N. Y.
- HILL, Nicholas S., Jr. (1912), Cons. Engr., Nicholas S. Hill, Jr. & S. F. Ferguson, 100 William St., New York, N. Y., and 50 Glenwood Ave., East Orange, N. J.
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- HILL, Robert J. (Associate, 1904), Traveling Engr., Quaker Oats Co., 1600 Ry. Exch. Bldg., and *for mail*, 5027 Dorchester Ave., Chicago, Ill.
- HILL, Rowland F. (Junior, 1915), Ch. Draftsman, The Natl. Supply Co., Sta. B, and *for mail*, 3269 Monroe St., Toledo, O.
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- HINCKLEY, Charles W. (Associate, 1912), Otis Elev. Co., 11th Ave. and 26th St., and 1330 St. Nicholas Ave., New York, N. Y.
- HIND, R. Renton (1912; Associate-Member, 1914), Cons. Sugar House Engr., Honolulu Iron Wks. Co., and 2552 Manoa Rd., and *for mail*, P. O. Box 597, Honolulu, Hawaii.
- HINDMAN, Wilbert L. (Associate-Member, 1914), Supt., The Duff Mfg. Co., N. S., and *for mail*, 1711 Marmaduke St., N. S., Pittsburgh, Pa.
- HINKENS, Edward H. (Associate-Member, 1917), Wks. Layout Engr., East Pittsburgh Wks., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 1007 Franklin Ave., Wilkinsburg, Pa.

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- HIRSCHLAND, Dr. F. H. (1906; 1916), V. P., Genl. Mgr., Goldschmidt Detinning Co., 120 Broadway, and 155 Riverside Drive, New York, N. Y.
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- HITCHCOCK, Frederick M. (1899; 1907), V. P., Wks. Mgr., Dexter Folder Co., Pearl River, N. Y., and 426 Park St., Hackensack, N. J.
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- *HOBART, James C., Jr. (Junior, 1916), 1st Lieut., E. O. R. C., Field Serv., France, and *for mail*, 2820 Winslow Ave., Cincinnati, O.
- HOBBLE, Arthur C. (1914), Ch. E. E., Riegos y Fuerza del Ebro S. A. Apartado 491, Barcelona, Spain, and Las Cruces, New Mexico.
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- HOE, Robert (1913), Dir., R. Hoe & Co., 504 Grand St., New York, and Port Washington, N. Y.
- HOEFER, Chester A. (1917), Secy., Hoefer Mfg. Co., and 2 Pine St., Freeport, Ill.
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- HOFFMANN, Simon (1911), First V. P., Loco. Superheater Co., 30 Church St., New York, N. Y., and *for mail*, Steinhofstr. 4, Cassel-Wilhelmshöhe, Germany.
- HOFMEYER, Geo. A. (Associate, 1905), Inventor, Dept. Store Expt., Ridgewood, and *for mail*, Hohokus, N. J.
- HOGAN, Patrick H. (1904; 1914), N. E. Mgr., Dearborn Chem. Co., John Hancock Bldg., and 66 Farquhar St., Roslindale, Boston, Mass.
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- HOGUE, Oliver D. (1909), 550 Tremont Bldg., Boston, Mass.
- HOGUE, Wm. H. (Associate, 1917), Mgr., Magnus Co., Inc., 1417 Hardy St., and 203 Branard Ave., Houston, Tex.
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- HOLCK, Harry C. (Junior, 1916), Engr., Elec. Designer, Pub. Serv. Elec. Co., Newark, and 43 Melrose Ave., North Arlington, N. J.

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- HUGHES, Burton S. (1908), Ch. Engr., Zaremba Co., 707 Morgan Bldg., and 17 Melton Manor, Buffalo, N. Y.
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- HUGHES, Henry E. (1916), M. E., E. I. Du Pont de Nemours & Co., Rm. 863, Du Pont Bldg., and *for mail*, 520 W. Sixth St., Wilmington, Del.
- HUGHES, Henry M. (Junior, 1914), Mgr. Pole Dept., Franklin Steel Wks., Atlantic Ave., and 938 Liberty St., Franklin, Pa.
- HUGHES, Howard R. (Associate, 1917), Pres., Hughes Tool Co., Houston, Tex.
- HUGHES, James W. (1916), Genl. Mgr., Defiance Mfg. Co., Summerdale Sta., Philadelphia, and Elkins Park Manor, Pa.
- HUGHES, Richard H. (Associate-Member, 1914), V. P., Genl. Mgr., Crescent Portland Cement Co., Wampump, and *for mail*, 5602 Baum Blvd., Pittsburgh, Pa.

- HUGHES, Robert G. (1908), Secy., M. E., John W. Ferguson Co., and *for mail*, 152 Market St., Paterson, N. J.
- HUGHES, Walter J. (Associate-Member, 1916), Sale and Engrg. Mech. Equip., Larimer-Hughes Co., 703 Baker-Detweiler Bldg., Los Angeles, Cal.
- HUGO, T. W. (1882), Cons. Mech. Engr., 221 W. 6th Ave., W., Duluth, Minn..
- HULBERT, William R. (1906; 1912), Sales Mgr., Goldschmidt Thermit Co., 120 Broadway, New York, and 2 Deepdene Rd., Forest Hills, L. I., N. Y.
- *HULBURT, Wynne D. (Junior, 1917), 2nd Lieut., 71st Reg't. Engrs. (Railway), U. S. A., France.
- HULETT, Frank E. (1906), Engr., The Wellman-Seaver-Morgan Co., 7000 Central Ave., Cleveland, and *for mail*, 1830 Rosalind Ave., East Cleveland, O.
- HULETT, Geo. H. (1903), Ret., 8724 Carnegie Ave., Cleveland, O.
- HULL, Burton E. (1916), Engr. Refining Dept., The Texas Co., and *for mail*, P. O. Box 1805, Houston, Tex.
- HULL, Foster J. (1912), 331 Eighth Ave., Pelham, N. Y.
- HULL, George W. (1917), M. E., Halcomb Steel Co., and 829 Wescott St., Syracuse, N. Y.
- HULL, John D. (1916), M. E., 354 Colman Bldg., and University Club, Seattle, Wash.
- HULL, Monroe R. (1913), M. E., Sissert Mining Co., Ltd., London, England, Am. Engrg. Office, 424 Ness Bldg., Salt Lake, Utah.
- HULME, Percy A. (Associate-Member, 1917), 601 Arch St., New Britain, Conn.
- HUMBERT, K. E. (Associate, 1913), Perin & Marshall, 2 Rector St., New York, and 6 Wainwright St., Rye, N. Y.
- HUME, Walter E. (1914), Engr. Otis Elev. Co., 26th St. and 11th Ave., New York, N. Y., and *for mail*, 76 Ames Ave., Rutherford, N. J.
- HUMMEL, Charles F., Jr. (Junior, 1912), Ilion, N. Y.
- HUMMEL, Ferdinand G. (Junior, 1916), Inspr., U. S. N., Babcock & Wilcox Co., and *for mail*, 21 Linden St., Bayonne, N. J.
- HUMMEL, Frank L. (1912), Sales Engr., Hooven, Owens, Rentschler Co., 39 Cortlandt St., New York, N. Y.
- HUMPHREY, Arthur L. (1915), V. P., Genl. Mgr., Westinghouse Air Brake Co., Wilmerding, and 361 Maple Ave., Edgewood Park, Pa.
- HUMPHREY, Clifford W. (Associate, 1907), Cons. Engr., 327 S. LaSalle St., Chicago, and 1727 Chancellor St., Evanston, Ill.
- HUMPHREY, George S. (1901), Secy., C. W. Hunt Co., Inc., 45 Broadway, New York, and *for mail*, Clayville, Oneida Co., N. Y.
- HUMPHREYS, Dr. Alex. C. (1884), Manager, 1907-1910; Vice-President, 1910-1911; President, 1912; Life Member; Pres., Humphreys & Miller, Inc. (*for mail*), 165 Broadway, Pres., Buffalo Gas Co., New York, N. Y., Pres., Stevens Inst. of Tech., Hoboken, N. J.
- *HUNICKE, C. Campbell (Junior, 1917), Sub-Insp. of O. R. D., U. S. N., Pat. Atty., Atty. at Law, 25 Beaver St., New York, N. Y., and *for mail*, Palisade, N. J.
- HUNING, Arno E. (Junior, 1902), Prop., Arno Huning Elec. Co., W. Central St., Castle Huning, Albuquerque, New Mex.
- HUNT, Andrew M. (1895), Cons. Engr., 55 Liberty St., New York, N. Y.
- HUNT, Charles B. (1902), M. E., Buckeye Eng. Co., and 636 McKinley Ave., Salem, O.
- HUNT, Charles W. (Junior, 1916), Engr., C. F. Hunt Co., Inc., and *for mail*, 366 Oakland Ave., West New Brighton, S. I., N. Y.

- HUNT, Eugene A. (1910; Associate-Member, 1915), Pres., Knapp & Hunt Co., Hong Kong, China, and *for mail*, 501 Insurance Bldg., San Francisco, Cal.
- *HUNT, Harry B. (1916), Maj., Gun Div., O. S. R., 1330 F St., N. W., and *for mail*, 1025 Vermont Ave., Washington, D. C.
- HUNT, Harry V. (1916), Genl. Supt., Cons. Press Co., Hastings, Mich.
- HUNT, Herbert S. (Junior, 1917), John A. Roeblings Sons Co., and *for mail*, 206 Spring St., Trenton, N. J.
- HUNT, James L. (Junior, 1914), Safety Engrg. Dept., Ocean Accident & Guarantee Corp., 59 John St., New York, and *for mail*, 55 Hanson Pl., Brooklyn, N. Y.
- *HUNT, Leigh A. (1906), Maj., 110th Engrs., Camp Doniphan, Okla., Pres., Hunt Engrg. Co., 515 Republic Bldg., Kansas City, Mo.
- HUNT, Robert W. (1880), Manager, 1882-1885; President, 1891; Robert W. Hunt & Co., 2300 Insurance Exch. Bldg., and 77 E. Division St., Chicago, Ill.
- HUNT, S. H. (1913), M. E., Milwaukee Coke & Gas Co., and *for mail*, 4407 National Ave., Milwaukee, Wis.
- HUNT, Wm. F. (1894; Associate, 1903), Life Associate; Cons. Engr., 115 Broadway, New York, N. Y.
- HUNT, Wilson P. (Associate, 1913), Genl. Mgr., Moline Tool Co., 20th St. and 1st Ave., and 619 18th St., Moline, Ill.
- HUNTER, Felix (Associate-Member, 1915), Asst. Engr. Mchy. Dept., Am. Can Co., 447 W. 14th St., and *for mail*, 62 Seaman Ave., New York, N. Y.
- HUNTER, Charles W. (1911; 1912), Gas Engr., Stone & Webster, 147 Milk St., Boston, Mass.
- *HUNTER, Charles F. (1917), Capt., O. O. R. C., Frankford Arsenal, Philadelphia, Pa.
- HUNTER, David E. (1916), Constr. Engr., The Shaw-Walker Co., and *for mail*, 89 Fourth St., Muskegon, Mich.
- HUNTER, Geo. E. (1890), Genl. Supt., Elgin Natl. Watch Co., and *for mail*, 325 Watch St., Elgin, Ill.
- HUNTER, Herbert C. (Junior, 1914), Walter Hunter Co., 1534 Sansom St., Philadelphia, and 228 Rutledge Ave., Rutledge, Pa.
- HUNTER, J. S. (1889), 423 Washington St., Hartford, Conn.
- HUNTER, James D. (1894), V. P., Hunter Mch. Co., 48 Wall St., North Adams, Mass.
- HUNTER, James F. (1899; 1909), Asst. Engr. of Constr., Consld. Gas Co., 130 E. 15th St., New York, and 92 Gates Ave., Brooklyn, N. Y.
- HUNTER, John (1909), Manager, 1913-1916; Vice-President, 1917-1919; Rep., Emergency Fleet Corp'n, Newark Bay Ship Yard, Submarine Boat Corp'n, P. O. Box 456, Newark, N. J.
- HUNTER, John A. (1914), Prof. M. E., Univ. of Colo., Engrg. Bldg., Boulder, Colo.
- HUNTER, John Alexander (1909), Steam and Sanitary Engr., Am. Sheet & Tin Plate Co., Frick Bldg., Pittsburgh, and 151 Dickson Ave., Ben Avon, Pa.
- HUNTER, Samuel R. (Associate-Member, 1916), Supt., B. Shop Fairbanks, Morse Co., and *for mail*, 1140 Bluff St., Beloit, Wis.
- HUNTINGTON, Clarence W. (1913), Pres., The Va. Ry. Co., 60 Wall St., New York, N. Y., and 712 N. Broad St., Elizabeth, N. J.
- HUNTINGTON, Wm. S. (Associate-Member, 1917), Designing Engr., C. D. Brooks Engrg. Co., Moultrie, Ga.
- HUPFEL, Adolph G. (1916), Treas., Supt., The J. C. G. Hupfel Brewing Co., 229 E. 38th St., New York, N. Y.
- HURD, Charles H. (1902), Cons. Engr., 807 Merchants Bank Bldg and 4330 Central Ave., Indianapolis, Ind.

- HURD, Hobert J. (1894; 1897), Genl. Supt., M. E., The J. B. Wise Ammunition Co., and *for mail*, 134 Park St., Watertown, N. Y.
- HURLBURT, Alfred (Associate, 1902), Engr., Kansas City Gas Co., 910 Grand Ave., and 716 Glead Terrace, Kansas City, Mo.
- HURST, George L. (1912), Mgr. Dredging Dept., Union Iron Wks. Co., and *for mail*, 260 California St., San Francisco, Cal.
- *HURXTHAL, Alpheus O. (Junior, 1915), 1st Lieut. O. D., U. S. R., The N. Y. Air Brake Co., 201 Mill St., Watertown, N. Y., and Ronceverte, W. Va.
- HUSON, Winfield S. (1887; 1891), M. E., 12 Cottage St., Derby, Conn.
- HUSSEY, Charles W. (Junior, 1908), Sayles' Bleacheries, and 90 Chapel St., Saylesville, R. I.
- HUSSEY, Oren S. (1897), 43 Concord St., Nashua, N. H.
- HUSSEY, Wm. E. (1904), V. P., Genl. Mgr., Providence Engrg. Corp'n, 521 S. Main St., Providence, R. I., and 194 Bainbridge St., Brooklyn, N. Y.
- *HUSTED, Clifford M. (1910; Associate-Member, 1916), Capt. Engrs., U. S. A., and 620 W. 122nd St., New York, N. Y.
- HUSTON, Charles L. (Associate, 1887), V. P., Wks. Mgr., Lukens Steel Co., and 64 S. 1st Ave., Coatesville, Pa.
- *HUTCHENS, Edward (1913), Capt., E. O. R. C., Cons. Engr., Rubber Plants, Pres., Utility Mfg. Co., Cudahy, and *for mail*, 866 Superior St., Milwaukee, Wis.
- HUTCHINS, George F. (1910), Chairman Development Bd., Crompton & Knowles Loom Wks., and *for mail*, 20 Ripley St., Worcester, Mass.
- HUTCHINGS, Clifford F. (1907; 1913), The Hayward Co., 50 Church St., New York, N. Y., and *for mail*, 693 Newark Ave., Elizabeth, N. J.
- HUTCHINSON, Arthur H. (1899), Sales Engr., Frick Co., 406-407 Atlanta Natl. Bank Bldg., and *for mail*, 58 Ponce de Leon Pl., Atlanta, Ga.
- HUTCHINSON, Carv T. (1894), Secy., The Engrg. Foundation, The Natl. Research Council, 33 W. 39th St., New York, N. Y.
- HUTCHINSON, Charles T. (1910), V. P., Genl. Mgr., Min. & Scientific Press, 420 Market St., San Francisco, and Hotel Oakland, Oakland, Cal.
- HUTCHINSON, Ely C. (1912), Mgr. Engrg. & Sales, The Pelton Water Wheel Co., 19th and Harrison Sts., San Francisco, and 2718 21st Ave., East Oakland, Cal.
- HUTCHINSON, George W. (1913), Ch. Engr., Keystone Coal & Coke Co., Huff Bldg., Greensburg, Pa.
- HUTCHINSON, Henry H. (Associate-Member, 1916), Supt., Canadian Explosives, Ltd., Vaudreuil Sta., Que., Canada.
- HUTCHINSON, John A. (Associate-Member, 1916), Ch. Engr., Intl. Silver Co., and 138 Fourth St., Meriden, Conn.
- HUTCHISON, Miller R. (1912), Engrg. Advisor to Thos. A. Edison. Edison Affiliated Interests, Edison Lab., and Llewellyn Park, West Orange, N. J.
- HUTCHISON, Richard (1900; 1904), Dist. Sales Mgr., Babcock & Wilcox Co., 35 Federal St., Boston, Mass.
- HUTSON, Henry L. (1906; 1908), Ch. Engr., Secy., A. M. Lockett & Co., Ltd., 533 Baronne St., and 721 Lowerline St., New Orleans, La.
- HUTTINGER, Wilhelm R. (Junior, 1906), Ch. Engr., Lewis & Roth Co., 1012 Liberty Bldg., Philadelphia, and *for mail*, 86 E. Greenwood Ave., Lansdowne, Pa.
- HUTTON, Frederick R. (1880), Secretary, 1883-1906; President, 1907; Life Member; Honorary Secretary of the Society, 29 W. 39th St.; Emeritus Prof. M. E., Columbia Univ.; Cons. Engr., Auto. Club of Am., and *for mail*, 257 W. 86th St., New York, N. Y.

- HUTTON, Mancius S. (Junior, 1908), Lab. Engr., The Auto. Club of Amer., 247 W. 54th St., and *for mail*, 257 W. 86th St., New York, N. Y.
- HUTTON, Sol E. (1912), Cons. Engr., 115 Van Buren St., Moscow, Idaho.
- HUXFORD, George T. (Associate-Member, 1917), Supt., Builders Iron Fdy., 9 Coddling St., Providence, and *for mail*, 1061 Narragansett Blvd., Edegwood, R. I.
- HVID, Marinus (1911; Associate-Member, 1914), Ch. Draftsman, Inland Steel Co., Indiana Harbor, Ind., and 1428 E. 67th Pl., Chicago, Ill.
- HVID, Rasmus M. (1907; Associate, 1909), Pres., R. M. Hvid Co., 803 First Natl. Bank Bldg., and 1635 Kenilworth Ave., Chicago, Ill.
- HYATT, Herbert R. (1912), M. E. Sales Dept., Custodis Chimney Constr. Co., 95 Nassau St., New York, N. Y.
- HYDE, Glenn C. (Associate-Member, 1916), Middle West Utilities Co., S. Ind. Power Co., Bedford, Ind.
- HYMAN, D. (1892), V. P., Empire Limestone Co., Hudson and 4th Sts., and 410 Porter Ave., Buffalo, N. Y.
- HYMANS, Frederick (1912), Engr., Otis Elev. Co., New York, N. Y., and *for mail*, 3 Appleton Pl., Glen Ridge, N. J.
- IDDLES, Alfred (1913; Associate-Member, 1917), Asst. Prof. Drawing and Design, Mich. Agri. College, 305 Olds Hall of Engrg., and 334 Hickory Ct., and *for mail*, Box 793, East Lansing, Mich.
- IDELL, Frank E. (1889), Life Member; M. E., 50 Church St., New York, N. Y.
- IDELL, Percy C. (1901; 1909), M. E., Sales Dept., The Babcock & Wilcox Co., 85 Liberty St., New York, and *for mail*, 157 83d St., Brooklyn, N. Y.
- ILIFF, William L. (Junior, 1917), Sales Engr., Hyatt Roller Bearing Co., P. O. Box 476, Newark, N. J.
- ILLGES, George M. (1916), Dist. Mgr., Heine Safety Boiler Co., 1728 Lytton Bldg., Chicago, and 841 Foxdale Ave., Winnetka, Ill.
- ILLINGWORTH, George C. (Associate-Member, 1915), Sales Engr., Murphy Iron Wks., 1232 Union Trust Bldg., and Woodburn Apts., Cincinnati, O.
- ILLMER, Louis (1913), Gas and Oil Eng. Expt., 6 Cherry St., Milford, Conn.
- ILSLEY, John P. (1903; 1907), Genl. Mgr., Becker Milling Mch. Co., Hyde Park, and *for mail*, 138 Highland St., Milton, Mass.
- IMBRIE, William M., Jr. (1913), Engr. in charge Constr., Atlantic Paper & Pulp Corp'n, Savannah Bank & Trust Co. Bldg., and *for mail*, 111 34th St., E., Savannah, Ga.
- IMESON, Charles V. (Associate, 1917), 226 Hogan St., Jacksonville, Fla.
- INGALLS, Frederick D. B. (1909), Ch. Htg. and Vent. Engr., C. A. Dunham Co., and *for mail*, 309 N. 1st St., Marshalltown, Ia.
- INGALLS, James A. (Associate-Member, 1916), Mech. Asst. Testing Bureau, Elec. Engrg. Dept., Transit Development Co., Williamsburg Power Sta., Kent and Division Aves., and *for mail*, 831 Greene Ave., Brooklyn, N. Y.
- INGERSOLL, Howard H. (Junior, 1916), Foreman, Atlantic Refining Co., 3244 Passyunk Ave., and *for mail*, 4008 Chestnut St., Philadelphia, Pa.
- INGERSOLL, Winthrop (Associate, 1893), Pres., The Ingersoll Milling Mch. Co., 1239 National Ave., Rockford, Ill.
- *INGHAM, Howard M. (1907), Lieut. (J. G.), U. S. N. R. F., Industrial Engr., 200 Fifth Ave., New York, N. Y., and 76 Dwight Pl., Englewood, N. J.

- INGLIS, Robert N. (1917), Ch. Engr., M. W. Kellogg Co., 90 West St., New York, N. Y., and 31 Claremont Ave., Jersey City, N. J.
- INGRAHAM, Alexander (1916), Milling Engr., 856 Hillcrest Ave., Calgary Alberta, Canada.
- INMAN, Chester M. (Junior, 1916), Salesman, Pratt & Inman, 12 Cherry St., and 35 Midland St., Worcester, Mass.
- INOKUTY, Ariya (1915), Prof. M. E., College of Engrg., Imperial Univ., Tokio, Japan.
- INSLEE, Heber C. (1907), Engr. on Plant Wk., Babcock & Wilcox Co., Bayonne, and Van Court Inn, Roselle, N. J.
- INSLEY, William H. (1913), Pres., Insley Mfg. Co., Olney and E. St. Clair Sts., P. O. Box 167, and 445 N. Audubon Rd., Indianapolis, Ind.
- *IRELAND, Mark L. (1902; 1913), Maj. Quartermaster Corps, U. S. A., care of Depot Quartermaster, Fort Sam Houston, Tex., and Chesaning, Mich., and San Antonio, Tex.
- IRVIN, Richard (Associate-Member, 1914), Ch. Engr., Richard Irvin & Co., 308 Union Bank Bldg., and 175 Hallock St., Pittsburgh, Pa.
- IRWIN, Franklin K. (1913), Philadelphia Sales Mgr., Niles-Bement-Pond Co., 405 N. 21st St., Philadelphia, Pa.
- IRWIN, Kilshaw McH. (Junior, 1917), Engr. Sta. Betterment Div., Stone & Webster, 147 Milk St., Boston, and 33 Oak St., Hyde Park, Mass.
- ISBELL, Howard L. (Junior, 1891), Asst. Mech. Supt., Am. Brass Co., Waterbury, and *for mail*, Rockwell Ave., Naugatuck, Conn.
- ISBELL, John A. (1917), Ch. Engr., Wood Newspaper Mch. Corp., 25 Madison Ave., New York, N. Y., and *for mail*, 604 W. 7th St., Plainfield, N. J.
- ISENBERG, Hans O. C. (1913), Ch. Engr. and Prod. Mgr., Scripps Booth Co., 98 Beaufait Ave., Detroit, Mich.
- ISERT, J. G. Hunt (1914), Genl. Supt., M. E., The Pyne Co., 1301 W. Main St., and *for mail*, 2040 Sherwood Ave., Louisville, Ky.
- ISHAM, Alonzo K. (1915), Pres., Genl. Mgr., West Coast Iron Wks., 4609 14th Ave., N. W., and 1759 26th Ave., N., Seattle, Wash.
- ISHAM, Henry S. (1902; 1907), Draftsman N. Y. Rys. Co., 50 Park Place, and 11 Wadsworth Ave., New York, N. Y.
- ISHIMURA, Sakiebi (Junior, 1917), Engr., Nippon Denchi & Co., and *for mail*, care of Shimadzu & Co., Kiyamachi-Nijo, Kyoto, Japan.
- ISRAEL, Albert H. (Junior, 1913), Torpedo Testing Engr., E. W. Bliss Co., and *for mail*, 606 45th St., Brooklyn, N. Y.
- ISRAEL, Charles H. (1912), Sales Engr., Harrisburg Fdy. & Mch. Wks., Seventh and Curtin Sts., and *for mail*, 2127 N. Second St., Harrisburg, Pa.
- IVENS, Edmund M. (1908; 1917), Asst. Mgr. N. O. Office, Skinner Eng. Co., 1017 Hibernia Bank Bldg., and *for mail*, 5006 Pitt St., New Orleans, La.
- IWANAMI, Takao (Associate-Member, 1914), I. R. T. Co., and N. Y. Rys. Co., 621 Broadway, New York, and *for mail*, 3332 Olinville Ave., Williamsbridge, New York, N. Y.
- JABLOW, Charles (Associate-Member, 1915), Assoc. Prof. M. E., Okla. Agri. and Mech. College, and 604 W. 6th Ave., Stillwater, Okla.
- JACK, Richard D. (Associate-Member, 1915), Cost Div. Head, Winchester Repeating Arms Co., and *for mail*, Hotel Duncan, New Haven, Conn.
- JACKLIN, Harold M. (Junior, 1917), Instr. Engrg., Univ. of Wis., Extension Div., Superior, and *for mail*, 175 Main St., Oshkosh, Wis.
- JACKMAN, Chester C. (Associate-Member, 1916), Factory Mgr., Massachusetts Saw Wks., and *for mail*, 46 Rochelle St., Springfield, Mass.
- JACKSON, Arthur C. (1903; 1910), Genl. Supt., Secy., Treas., Miller Lock Co., 4533 Tacony St., Frankford, and *for mail*, 6445 Greene St., Germantown, Philadelphia, Pa.

- JACKSON, Charles A. (1911), Hyd. Engr., Pelton Water Wheel Co., 90 West St., New York, and 116 Avondale St., Woodhaven, L. I., N. Y.
- JACKSON, Charles J. (1905), 1430 S. 58th St., Philadelphia, Pa.
- JACKSON, Dugald C. (1890), 248 Boylston St., and Mass. Inst. of Tech., Cambridge, Mass.; also, D. C. & Wm. B. Jackson, 111 W. Monroe St., Chicago, Ill., and 5 Mercer Circle, Cambridge, Mass.
- JACKSON, Earl E. (Junior, 1915), Constr. Dept., H. W. Johns-Manville Co., Madison Ave., and 41st St., and *for mail*, 516 W. 136th St., New York, N. Y.
- JACKSON, F. Raymond (Junior, 1917), Asst. Engr., J. E. Sirrine, Mill Engr. and Arch., P. O. Box 603, and 801 E. North St., Greenville, S. C.
- JACKSON, Francis W. (1909), Cons. Engr., 66 12th St., Franklin, Pa.
- JACKSON, Henry D. (1912), M. E., Monks & Johnson, 78 Devonshire St., Boston, and *for mail*, 698 Beacon St., Newton Center, Mass.
- JACKSON, Henry W. (Junior, 1913), Production Supt., Hess. Bright Mfg. Co., Front St. and Erie Ave., Philadelphia, and *for mail*, 112 Maple Ave., Cynwyd, Pa.
- *JACKSON, John Price (1903), Maj., E. O. R. C., The Commr., Pa. Dept. of Labor and Industry, Harrisburg, Pa.
- *JACKSON, John R. (Junior, 1915), Capt., O. D., U. S. R., Am. Ord. Base Depot in France, and *for mail*, 914 Ry. Exch. Bldg., Chicago, Ill.
- *JACKSON, Lucian C. (1901), Amer. Exped. Force, France, Cons. Gas. Eng. Expt., 905 D. S. Morgan Bldg., and *for mail*, 351 Hoyt St., Buffalo, N. Y.
- JACKSON, Percy (Junior, 1904), Ch. Engr., The Walsh & Wiedner Boiler Co., 121 E. Terrace St., Chattanooga, Tenn.
- JACKSON, Robert E. (Junior, 1917), Supt. Lab., Thomas A. Edison, Orange, and *for mail*, 5 McKinley Ave., West Orange, N. J.
- JACKSON, Walter W. (1902), Supt., Regina Co., Prop., Walter W. Jackson, P. O. Box 22, Rahway and Seward, N. J.
- JACKSON, Wm. B. (1901), Manager, 1912-1915; Vice-President, 1915-1917; Life Member; D. C. & Wm. B. Jackson, Harris Trust Bldg., and Union League Club, Chicago, Ill.
- JACKSON, William G. (Junior, 1916), Wks. Engr. Spaulding & Jennings Wks., Crucible Steel Co. of Amer., foot of Yale Ave., and *for mail*, 242 Bergen Ave., Jersey City, N. J.
- JACOB, Charles L. (Junior, 1916), Constr. Supt., Jarrett-Chambers Co., 30 E. 42nd St., New York, N. Y., and Highland Beach, N. J., and 600 Kerlerec St., New Orleans, La.
- JACOBS, Adolph (Junior, 1917), Mech. Draftsman, Kinney Mfg. Co., 3541 Washington St., Boston, and *for mail*, 2 Helena St., Jamaica Plain, Mass.
- JACOBS, Arthur I. (1913), Pres., The Jacobs Mfg. Co., Hartford, Conn.
- *JACOBS, Henry L. (Junior, 1917), Dept. Enlisted Ord. Corps, Watertown Arsenal, Watertown, Mass., and *for mail*, 751 Green Ave., Brooklyn, N. Y.
- JACOBS, Henry W. (1905), 339 Ry Exch., Chicago, Ill.
- JACOBS, Ward S. (1897; 1904), Treas., The Walton Co., and *for mail*, 530 Farmington Ave., Hartford, Conn.
- JACOBSON, Conrad C. (1917), M. E., Designer, The Celluloid Co., 290 Ferry St., Newark, and *for mail*, 44 Glenridge Ave., Glen Ridge, N. J.
- JACOBSON, Franz (Junior, 1916), Checker, Pressed Steel Car Co., and *for mail*, 557 Dawson Ave., Bellevue, Pittsburgh, Pa.
- JACOBUS, Dr. D. S. (1889), Manager, 1900-1903; Vice-President, 1903-1905; President, 1916; Advis. Engr., The Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and Spec. Lecturer Exper. Engrg.,

- Stevens Inst. of Tech., Hoboken, and 70 Summit Ave., Jersey City, N. J.
- JACOBUS, Robert F. (1907; 1912), Francisco & Jacobus, 511 Fifth Ave., New York, N. Y., and *for mail*, Ridgefield, N. J.
- JACOBY, Benj. (1914), M. E., Marion Steam Shovel Co., and *for mail*, 421 S. State St., Marion, O.
- JACOBY, Henry E. (1916), Contr. Engr., 95 Liberty St., and 436 Convent Ave., New York, N. Y.
- JAGER, George W. (Junior, 1916), Plant Engr., Natl. Lock Washer Co., 65 Johnson St., Newark, and *for mail*, 69 Harrison Ave., West Orange, N. J.
- JAHNCKE, Ernest Lee (Associate, 1904), Pres., Genl. Mgr., Jahncke Shipbuilding Corp'n, 814 Howard Ave., and 1823 Palmer Ave., New Orleans, La.
- JAKOBSSON, Herman (1907), Ordnance Engr., Midvale Steel Co., Nicetown, Philadelphia, and *for mail*, 4419 N. Eighth St., Philadelphia, Pa.
- JAKOWLEFF, Dmitry (1914), Sub-Prof., Military Engrg. Academy, and *for mail*, Spasskaya 25, Petrograd, Russia.
- JAMES, Richard M. (Junior, 1916), Foreman Finishing Dept., Boonton Rubber Mfg. Co., and *for mail*, 125 Cornelia St., Boonton, N. J.
- JAMES, William A. (1915), Ch. Engr., Lackawanna Steel Co., and *for mail*, 314 Norwood Ave., Buffalo, N. Y.
- *JAMIESON, Charles C. (1911), Maj., Cannon Sec., Gun Div., office of Chief of Ordnance; Jamieson, Houston & Jay, 40 Wall St., New York, N. Y., and 1320 F St., Washington, D. C.
- JANN, Victor (1916), Turbine Engr., Genl. Elec. Co., Provident Bank Bldg., Cincinnati, and *for mail*, 1343 Duncan Ave., Hyde Park, Cincinnati, O.
- JANNEY, Reynold (1912), 21 Claremont Ave., New York, N. Y.
- JANVIER, Henry A. (1912), Asst. Engr., Ferracute Mch. Co., and *for mail*, 219 E. Commerce St., Bridgeton, N. J.
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- KASLEY, John H. (1915), Planning Engr., West. Elec. Co., Inc., Hawthorne Sta., Chicago, and 815 Lake St., Oak Park, Ill.
- KASPER, Walter F. (Junior, 1916), M. E., Fairmont Gas Eng. & Ry. Motor Car Co., N. Main St., and *for mail*, Box 811, Fairmont, Minn.
- KASSANDER, A. R. (Junior, 1913), Carbondale Mch. Co., and *for mail*, 42 N. Church St., Carbondale, Pa.
- KASTLER, Edward L. (Junior, 1913), Ch. Engr., The Holt Mfg. Co., and *for mail*, Y. M. C. A., Stockton, Cal.
- KATES, Edgar J. (Associate-Member, 1916), Asst. Ch. Engr. Power Dept., De La Vergne Mch. Co., Foot of E. 138th St., and 249 E. 68th St., New York, N. Y.
- *KATTE, Edwin B. (1895; 1901), Maj., E. O. R. C.; Manager, 1910-1913; Vice-President, 1913-1914; Ch. Engr. Elec. Traction, N. Y. C. R. R. Co., 5048 Grand Central Terminal, New York, and Irvington, N. Y.
- KATZENSTEIN, Martin L. (1903; 1915), Mgr. Marine Dept., Worthington Pump & Mchy. Corp., 115 Broadway, and *for mail*, 52 E. 81st St., New York, N. Y.
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- KAVANAGH, Thomas J. (Associate, 1917), Am. Sugar Refining Co., and 139 Griffith St., Jersey City, N. J.
- KAVANAUGH, Wm. H. (1902; 1910), Prof. Exper. Engrg., Towne Scientific Sch., Univ. of Pa., Philadelphia, and 2081 N. 63d St., Overbrook, Philadelphia, Pa.
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- KEABLES, Austin D. (Junior, 1910), M. E., Slatersville Finishing Co., Slatersville, and *for mail*, 462 Coe St., Woonsocket, R. I.
- KEAN, A. J. A. (1908), Asst. Res. Mgr., Guanajuato Power & Elec. Co., Apartado 59, and Calle Pastita, Guanajuato, Gto., Mex.
- KEARNEY, Alex (1897; 1899), Asst. Supt. M. P., Norfolk & West. Ry., and 1111 Henry St., S. W., Roanoke, Va.
- KEARNEY, Edward J. (1913), Secy., Treas., Kearney & Trecker Co., 60th and Natl. Aves., West Allis, and 395 2nd Ave., Wauwatosa, Wis.
- KEARNEY, William J. (1913), 617 Emerson Ave., Detroit, Mich.
- KEASBEY, A. P. (Junior, 1914), Asst. to Pres., Robt. A. Keasbey Co., Bank and West Sts., New York, N. Y., and 36 St. Luke's Pl., Montclair, N. J.
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- KEATING, Thomas E. (Associate-Member, 1914), Mgr. Turbine Section, Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 125 N. Linden Ave., Pittsburgh, Pa.
- KEAY, Herbert O. (1913), Res. Cons. Engr., Laurentide Co., Ltd., Grand Mere, P. Q., Canada.
- KEDY, Stiles F. (1916), care of The Columbia Mills Inc., Room 1200, 225 Fifth Ave., New York, N. Y.
- KEEFE, Thomas E. (Associate, 1914), Salesman, Franklin Oil & Gas Co., Bedford, O., and 386 Belmont Ave., Newark, N. J.
- KEELER, E. Harold (Junior, 1916), Engr. Ousatonick Water Power Co., 293 Main St., Derby, Conn., and 140 Hillside Ave., Shelton.
- KEELER, Hugh E. (Junior, 1912), Instr. M. E., Univ. of Mich., 231 New Engrg. Bldg., and *for mail*, 1421 S. University Ave., Ann Arbor, Mich.
- KEELEY, Wm. C., Jr. (Junior, 1917), New Southern Hotel, Chicago, Ill.
- KEELY, Royal R. (1901; 1907), 781 Clinton Ave., Newark, N. J.
- KEENAN, George M. (Junior, 1916), Engr., Steam Engrg. Dept., Union Elec. Light & Power Co., and 1281 Goodfellow Ave., St. Louis, Mo.
- KEENAN, Walter F., Jr. (Junior, 1912), M. E., Power Spec. Co., 111 Broadway, and 780 Riverside Drive, New York, N. Y.
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- KEENE, Albert R. (Junior, 1917), Draftsman, Doehler Die Casting Co., Court and 9th Sts., and *for mail*, 579 5th St., Brooklyn, N. Y.
- *KEEP, Henry (1913), Maj., E. O. R. C.; Supt. Constr., Thompson Starrett Co., 51 Wall St., New York, N. Y., and *for mail*, 154 Curtin St., Bellefonte, Pa.
- KEEP, William J. (1893), Vice-President, 1903-1905; Cons. Engr., The Mich. Stove Co., and *for mail*, 753 Jefferson Ave., Detroit, Mich.
- *KEET, Clarence T. (Junior, 1916), Co. A, 304th Engrs., Camp Meade, Md., and *for mail*, Schuyler Falls, N. Y.
- *KEHL, Robert J. (Junior, 1916), 1st Lieut., Div. of Amer. Base Ord. Depot, France; Cons. Engr., Chicago Wks., Oxweld Acetylene Co., 3642 Jasper Pl., and *for mail*, 7141 Normal Ave., Chicago, Ill.
- KEHOE, Basil T. (Associate-Member, 1915), Genl. Foreman Stirling Drum Dept., The Babcock & Wilcox Co., and *for mail*, 517 N. 7th St., Barberton, O.
- KEHOE, Daniel E. (Associate-Member, 1916), Asst. Shop Supt. Hull Div., U. S. Navy Yard, Charleston, S. C.
- KEIL, Gustave B. (1908), Supt., Federal Sign System (Elec.), Lake and Desplaines Sts., and *for mail*, 4109 N. Paulina St., Chicago, Ill.
- KEILHOLTZ, Pierre O. (1901), Cons. Engr., Continental Bldg., and 127 W. Lanvale St., Baltimore, Md.
- KEISER, Franklin B. (1917), Cons. Engr., Keiser-Geismer Engrg. Co., 1308-09 Am. Trust Bldg., and *for mail*, 2170 Highland Ave., Birmingham, Ala.
- KEITH, James (1916), Managing Dir., Ch. Engr., James Keith & Blackman Co., Ltd., 27 Farringdon Ave., London, E. C., and "Highlands," Vernon Rd., Leigh-on-Sea, Essex, England.
- KEITH, Robert R. (1904; 1911; 1914), Plant Mgr., The Holt Mfg. Co., and 121 Cooper St., Peoria, Ill.
- KELLEMEN, H. F. (1902; 1903), Genl. Mgr., Utica Drop Forge & Tool Co., 2800 Whitesboro St., and *for mail*, 221 Churchill Ave., Utica, N. Y.
- KELLER, Albert T. (1914), Ch. Engr., Bethlehem Steel Co., Md. Plant, Sparrow's Point, and *for mail*, 9 Somerset Rd., Baltimore, Md.
- KELLER, Alfred R. (1916), Draftsman, Morgan Constr. Co., 15 Belmont St., and *for mail*, 117 Lincoln St., Worcester, Mass.

- KELLER, Clifford H. (Junior, 1916), Asst. Eff. Engr., Rochester Stamp-
ing Co., Jones St., and *for mail*, 440 Seneca Parkway, Rochester,
N. Y.
- KELLER, E. E. (1894), Vice-President, 1913-1915; Pres., Stand. Screw
Products Co., and *for mail*, 621-659 Bellevue Ave., Detroit, Mich.
- KELLER, Geo. M. (Junior, 1916), Production Mgr., Crown Cork & Seal
Co., and 3309 Fairview Ave., Baltimore, Md.
- KELLER, J. M. (1913), M. E., Natl. Carbon Co., W. 117th St. and Mad-
ison Ave., and *for mail*, 1422 Lincoln Ave., Cleveland, O.
- KELLER, Joseph F. (1908), Genl. Mgr., Keller Mech. Engraving Co.,
70 Washington St., Brooklyn, and 308 W. 94th St., New York, N. Y.
- KELLER, J. Orviss (Junior, 1917), Instr. Industrial Engrg., Pa. State
College, The Univ. Club, State College, and *for mail*, 149 E. Linn
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- KELLER, Kaufman T. (Associate, 1916), Buick Motor Co., 1015 Beach
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- *KELLER, Parry (Junior, 1916), 1st Lieut., O. D., U. S. R., Frankford
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- KELLEY, Augustus N. (Associate-Member, 1917), Supt., The Modern
Fdy. Co., Oakley, Cincinnati, and *for mail*, 101 Springfield Ave.,
Wyoming, O.
- KELLEY, Frederick W. (1905), Pres., The Helderberg Cement Co., 126
State St., Albany, N. Y.
- KELLEY, William D. (1915), Genl. Supt. Meters, Consld. Gas Co. of
N. Y., 130 E. 15th St., New York, and 351 S. 3d Ave., Mt. Vernon,
N. Y.
- KELLOGG, Alfred S. (1908), Cons. Engr., Boston, and *for mail*, Waver-
ley, Mass.
- *KELLOGG, Charles D. H., Jr. (Associate-Member, 1916), 1st Lieut. O.
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- KELLOGG, Morris W. (1913), Pres., The M. W. Kellogg Co., 90 West
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1st Ave. and 1st St., and 142 S. 10th Ave., Mt. Vernon, N. Y.
- KELLY, Andrew (Associate-Member, 1914), Supt. Marion Sta., Pub. Serv.
Elec. Co., Jersey City, and 38 Treacy Ave., Newark, N. J.
- KELLY, O. W. (1885), Pres., O. S. Kelly Co., and 621 S. Fountain
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- KELLY, Odber G. (1914), Dist. Turbine Inspr., Genl. Elec. Co., 1011
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- KELLY, Thomas C. (1914), Cons. Engr., 405 Second Natl. Bank Bldg.,
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- *KELLY, William (Junior, 1917), 2nd Training Camp, C. A. C., Ft.
Monroe, Va., Asst. in Mech. Engrg. Dept., Rensselaer Poly. Inst.,
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- KELLY, Timothy J. (1913), Factory Mgr., The Brighton Mills, and *for
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- KELLY, William M. (1916), Mgr. Kelly Press Dept., Am. Type Founders
Co., 300 Communipaw Ave., Jersey City, and 643 Fairfield Circle,
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- KEMBLE, Parker H. (1908), 293 Marlborough St., Boston, Mass.
- KEMP, Francis I. (Junior, 1915), Sales Engr., Worthington Pump
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Neb.
- KEMP, H. D. (Junior, 1916), Supt., British Munitions Co., Ltd., King's
Park, Verdun, P. Q., and 756 Sherbrooke St., West Montreal, Que.,
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- KEMPTON, Herbert E. (1916), Wks. Mgr., Van Blore Motor Co., and *for mail*, 419 Hubble St., Monroe, Mich.
- KENDALL, E. Homer (Junior, 1916), Ch. Engr., Erie Forge Co., and 821 W. 9th St., Erie, Pa.
- KENDALL, Henry P. (1914), Pres., Lewis Mfg. Co., Treas., The Plimpton Press, Norwood, and Walpole, Mass.
- KENDALL, Myron A. (1916), Ch. Engr., Supt., Stephens-Adamson Mfg. Co., and *for mail*, 715 Garfield Blvd., Aurora, Ill.
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- KENERSON, Wm. H. (1904), Prof. M. E., Brown Univ., and 100 Morris Ave., Providence, R. I.
- KENFIELD, Louis E. (1916), Ch. Tool Designer, The Locomobile Co. of Amer., Bridgeport, Conn.
- KENNEDY, Absalom M. (1916), M. R. Hutchinson, Inc., Orange, and *for mail*, 148 Eagle Rock Ave., West Orange, N. J.
- KENNEDY, Anthony (1914), V. P., The Hollar Co., 505 Philadelphia Bank Bldg., Philadelphia, and *for mail*, 16 Harper Ave., Drexel Hill, Pa.
- KENNEDY, F. Lowell (1903; 1910), Assoc. Prof. Engrg. Drawing, Harvard Univ., and *for mail*, 43 Appleton St., Cambridge, Mass.
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- KENNEDY, J. J. (1902), Cons. Engr., 52 Broadway, New York, N. Y.
- KENNEDY, James E. (1913), San Carlos Milling Co., San Carlos, Occidental Negros, P. I.
- KENNEDY, James S. (1915), Supt. Wks., Stand. Gas Light Co., 115th St., and East River, New York, and 57 Rockland Ave., Park Hill, Yonkers, N. Y.
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- KENNEDY, William A. (1908; 1914), Testing Engr., Genl. Fire Extinguisher Co., 301 W. Exchange St., and *for mail*, 31 Forest St., Providence, R. I.
- KENNEDY, William J. (1916), Ch. Engr. Generating Dept., The Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, and *for mail*, 36 Pleasant St., Dorchester, Mass.
- KENNEDY, William P. (1913), Cons. Engr., 1790 Broadway, and 230 W. 105th St., New York, N. Y.
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- KENNEY, William J. (1916), Pres., Moloch Stoker Co., 774-776 Continental and Commer. Natl. Bank Bldg., Chicago, Ill.
- KENNICOTT, Cass L. (Associate, 1915), Engr., The Permutit Co., Rm. 824, 208 S. La Salle St., Chicago, and 155 Lincoln Highway, Chicago Heights, Ill.
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- KENT, Henry R. (1901), Henry R. Kent & Co., 141 Broadway, New York, N. Y., and Gordonhurst Ave., Upper Montclair, N. J.

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- KENT, James M. (1900), Member Kansas City Smoke Abatement Commission; Teacher Steam and Elec., Manual Training, High Sch., and 2446 Harrison St., Kansas City, Mo.
- KENT, Robert S. (1901), Pres., Robert Sayre Kent, Inc., 50 Court St., and 253 80th St., Brooklyn, N. Y.
- KENT, Robert T. (Junior, 1905), Supt., with Richard Dudgeon, 82 Broome St., New York, N. Y., and *for mail*, 41 S. Willow St., Montclair, N. J.
- *KENT, Robert W. (Junior, 1917), 1st Lieut., Ord., U. S. R., and 203 Providence St., Woonsocket, R. I.
- KENT, William (1880), Manager, 1885-1888; Vice-President, 1888-1890; Cons. Engr., 57 S. Fullerton Ave., Montclair, N. J.
- KENYON, Alfred L. (1904), Genl. Mgr., Columbia Ry., Gas & Elec. Co., Columbia, S. C.
- KENYON, Frederick G. (Associate-Member, 1917), Designing Dept., Remington Arms Union Metallic Cartridge Co., Bridgeport Wks., Bridgeport, and *for mail*, 72 Berkeley Terrace, Devon, Conn.
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- KEOGH, Jere K. (Junior, 1916), Erecting Engr., Allis Chalmers Mfg. Co., and *for mail*, 2808 Chestnut St., Milwaukee, Wis.
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- KERR, C. Phillips (Junior, 1916), Insp. Airplanes and Airplane Eng., S. S. L., War Dept., Aviation Bldg., Washington, D. C., and *for mail*, Catonsville, Md.
- KERR, C. V. (1892), Steam Turbine Engr., Am. Well Wks., and 14 S. May St., Aurora, Ill.
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- KEYES, Frederic H. (1902), Editorial Dept., Sweets Catalogue Service, Inc., 119 W. 40th St., and 70 Morningside Drive, New York, N. Y.
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- KIHM, Otto R. (1917), Supt., Am. Can Co., Edgewater, N. J.
- KIHN, Julius J. (Associate-Member, 1916), Distributor of Kissel and Oakland Motor Cars, 68 Summer St., and 215 W. Broad St., Stamford, Conn.
- KILGOUR, Dwight F. (1905; 1909), M. E., *for* Chas. E. Cotting, 11 Pemberton Sq., Boston, and Lexington, Mass.
- KILLGORE, Edwin R. (1917), Div. Supt. Pipe Line Dept., Stand. Oil Co., Patterson, Cal.
- *KILPATRICK, John D. (1913), Maj., N. J. N. A., Cons. Hyd. Engr., 30 Church St., New York, N. Y.
- KIMBALL, Clinton (1913), M. E., Vinegar Hill Zinc Co., 112 S. Court St., and *for mail*, 508 W. Pine St., Platteville, Wis.
- KIMBALL, Dexter S. (1900), Prof. Mch. Design and Industrial Engrg., Cornell Univ., Ithaca, N. Y.
- KIMBALL, Dwight D. (1915), Cons. Engr., Richard D. Kimball Co., 15 W. 38th St., and Engineers' Club, New York, N. Y.
- KIMBALL, Richard D. (1906), Cons. Engr., Richard D. Kimball Co., 6 Beacon St., Boston, and 304 High St., West Medford, Mass.
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- KIMMEL, Alfred W. (Junior, 1916), M. E., The Dayton Engrg. Lab. Co., and *for mail*, 421 Forest Ave., Dayton, O.

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- KINDER, J. J. de (1885), care of Am. Soc. M. E., 29 W. 39th St., New York, N. Y.
- KINDLUND, Martin G. (1915), Marine Arch. and Engr., Kindlund & Drake, 17 Battery Pl., New York, and 161 New York Ave., West New Brighton, N. Y.
- KING, Arthur D. (1914), Designing and Constr., Engr., Stand. Plunger Elev. Co., and *for mail*, 10 Columbus St., Worcester, Mass.
- KING, Carl (1914), Instr., Wentworth Inst., Boston, and *for mail*, 22 Aldworth St., Jamaica Plain, Boston, Mass.
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- *KING, Chas. G. Y. (1891), Lieut.-Com., Ill. N. R.; Constr. Engr., Commonwealth Edison Co., 72 W. Adams St., Chicago, and *for mail*, 1020 Sheridan Rd., Wilmette, Ill.
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- KING, Eugene W. (1912), M. E., Semet-Solvay Co., and 1169 Bellevue Ave., Syracuse, N. Y.
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- KINGSBURY, W. P. (1916), V. P., Travis Oil Corp'n, Box 1682, and 723 S. Cincinnati, Tulsa, Okla.
- *KINGSLEY, Frank (1910), 1st Lieut. O. D., U. S. R., 94 Neptune Park, New Rochelle, N. Y.
- *KINGSTON, Arthur (Junior, 1913), Capt. 2nd Brigade, U. S. Marines, Santo Domingo City, D. R., care of Postmaster, New York, N. Y.
- KINKEAD, James A. (1903; 1915), Res. Sales Mgr., Parkesburg Iron Co., 30 Church St., New York, N. Y., and 474 Upper Mountain Ave., Upper Montclair, N. J.
- KINNE, Clarence E. (1899), Life Member; Secy., M. E., The Bagley & Sewall Co., Pearl St., and *for mail*, 116 S. Indiana Ave., Watertown, N. Y.
- KINNEY, Joseph N. (Associate, 1915), Contr. Engr., 30 Church St., New York, and 2619 Bedford Ave., Brooklyn, N. Y.
- KINSEY, Alfred S. (1913), Supvg. Instr. Shop Practice, Stevens Inst. of Tech., Hoboken, and 102 Roland Ave., South Orange, N. J.
- KINSMAN, Richard E. (Junior, 1914), Comptroller, Am-LaFrance Fire Eng. Co., Inc., and 306 N. Church St., Elmira, N. Y.
- KIPP, Alfred R. (1906), Mech. Supt., Soo Line, North Fond du Lac, and E. D. 6, Fond du Lac, Wis.
- KIRBY, Frank E. (1880), Life Member; Engr., West End Apts., Pondfield Rd., Bronxville, N. Y.
- KIRK, Donald (Junior, 1917), Draftsman, Bethlehem Steel Co., Sparrows Pt., and *for mail*, 1807 St. Paul St., Baltimore, Md.
- KIRK, Jay B. (Associate, 1916), Pres., J. B. Kirk Gas & Smelting Co., and 2 W. Buchanan, Iola, Kans.
- KIRK, Robert H. (1895; 1903), 61 Broadway, New York, and *for mail*, 100 Buckingham Rd., Brooklyn, N. Y.
- KIRK, William F. (1893), Mgr., McLanahan-Stone Mch. Co., and *for mail*, 1005 Allegheny St., Hollidaysburg, Pa.
- KIRKUP, Joseph P. (1908; 1912), Engr. Factories West, Borden's Condensed Milk Co., 136 W. Lake St., Chicago, Ill.
- KIRSCH, James L. (1914), Supt., Adamson Mch. Co., and *for mail*, 714 Hazel St., Akron, O.
- KISSICK, Joseph, Jr. (Junior, 1909), Sales Mgr., Vulcan Soot Cleaner Sales Co., DuBois, Pa.; V. P. and Treas., DeVell-Kissick Co., Inc., Singer Bldg., New York, N. Y., and 112 E. Scribner Ave., DuBois, Pa.
- KITE, Henry J. (Junior, 1915), Wks. Engr., Pa. Seaboard Steel Corp., Pa. Wks., Chester, and *for mail*, 3929 Baring St., Philadelphia, Pa.
- KITTREDGE, John W. (Associate-Member, 1916), Designer, Firestone Tire & Rubber Co., Akron, and *for mail*, P. O. Box 175, South Akron, O.
- KLAER, Henry J. (Associate-Member, 1916), Genl. Mgr., Penn. Seaboard Steel Corp'n, 1417 Sansom St., Philadelphia, and *for mail*, Chester, Pa.
- KLAUDER, Louis T. (1916), Constr. Engr., Philadelphia Rapid Transit Co., Philadelphia, Pa., and *for mail*, 830 Park Ave., Collingswood, N. J.
- KLAUSMEYER, David C. (1916), Asst. to Genl. Mgr., The Cincinnati Bickford Tool Co., Oakley, Cincinnati, O.
- KLEIN, Arthur W. (1903; 1911), Prof. M. E., Lehigh Univ., South Bethlehem, and *for mail*, 224 S. High St., Bethlehem, Pa.
- KLEIN, Chester T. (Junior, 1917), Supt., Ohio Blower Co., and *for mail*, Box 480, Orville, O.
- KLEIN, George F. (Junior, 1913), M. E. Municipal Power Plants, Dept. of Pub. Utilities, City of St. Louis, 311 City Hall, and *for mail*, 2019a Russell Ave., St. Louis, Mo.
- KLEIN, Joseph F. (1881), Life Member: Dean of Faculty, Prof. M. E., Williams Hall, Lehigh Univ., South Bethlehem, Pa.

- KLEIN, Otto H. (1913), Dir. Central Testing Lab., City of N. Y., 125-127 Worth St., New York, and 368 St. Paul's Ave., Tompkinsville, S. I., N. Y.
- KLEIN, William H. (1913: Associate-Member, 1914), Genl. Supt., Dixie Portland Cement Co., Richard City, Tenn.
- KLEPINGER, John H. (1907), Supt. Great Falls Reduction Dept., Anaconda Copper Min. Co., Great Falls, Mont.
- KLIJSRATH, Victor W. (1912), Overlook Drive, Port Washington, L. I., N. Y.
- KLINCK, Fred E. (Associate-Member, 1917), M. E., Metallurgist, H. Mueller Mfg. Co., and *for mail*, 525 W. Packard St., Decatur, Ill.
- KLINCK, J. Henry (1904), Westinghouse Elec. & Mfg. Co., 1146 Brown-Marx Bldg., Birmingham, Ala.
- KLING, Louis A. (1914), Supt., G. C. Kuhlman Car Co., Collingwood, Cleveland, and 1218 Carlyon Rd., East Cleveland, O.
- KLOCK, Frank B. (Associate, 1907), Asst. Mgr. Caustic and Bi-Carbonate of Soda Depts., The Solvay Process Co., and *for mail*, 216 N. Lowell Ave., Syracuse, N. Y.
- KLOCKARS, Charles O. (Associate, 1911), Supt., Essex Fdy., Murray St. and Ave. D, and *for mail*, 41 Lyons Ave., Newark, N. J.
- KLOCKE, Joseph F. (Associate-Member, 1915), Ch. Draftsman Die Dept., E. W. Bliss Co., Adams and Plymouth Sts., and *for mail*, 1277 Jefferson Ave., Brooklyn, N. Y.
- KLOTZ, Harry J. (Junior, 1913), Instr. U. S. Sch. of Military Aeronautics, Univ. of Ill., and *for mail*, 311 Edwin St., Champaign, Ill.
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- KNAPP, Edwin C. (Junior, 1893), Calculator Steam Turbine Dept., Genl. Elec. Co., Bldg. 56, and *for mail*, 180 Furman St., Schenectady, N. Y.
- KNAPP, Edwin R. (1915), Prof. Descriptive Geom. and Mech. Drawing, Stevens Inst. of Tech., Hoboken, N. J.
- KNAPP, Leland G. (1917), Efficiency Engr., Harsh & Edmonds Shoe Co., Hanover and Maple Sts., and 377 Kenwood Blvd., Milwaukee, Wis.
- KNAPP, Walter (Associate-Member, 1916), Shop Supt., Dayton-Dick Co., 2nd and York Sts., and 130 1/2 North 24th St., Quincy Ill.
- *KNEASS, Strickland, Jr. (Junior, 1916), Serg. Co. M. 332 Inf., Camp Sherman, Chillicothe, O., and *for mail*, 418 S. 15th St., Philadelphia, Pa.
- KNEASS, Strickland L. (1890), Mgr. Injector Dept., Wm. Sellers & Co., 1600 Hamilton St., and 418 S. 15th St., Philadelphia, Pa.
- KNEELAND, Frank H. (Junior, 1909), Assoc. Editor, Coal Age, 10th Ave. and 36th St., New York, N. Y., and 669 Devon St., Arlington, N. J.
- *KNERR, Lewis E. (Junior, 1916), Capt., E. O. R. C., U. S. A., 3338 Broadway, Kansas City, Mo.
- KNICKERBACKER, John (1891), Pres., Eddy Valve Co., Waterford, and *for mail*, 86 First St., Troy, N. Y.
- KNIESE, Harold G. (Junior, 1917), Supt. Constr., Central Ill. Light Co., and *for mail*, Y. M. C. A., Peoria, Ill.
- KNIGHT, Alfred H. (1909), Engr. Patents, Invention, Dodge Bros., and *for mail*, 419 Edison Ave., Detroit, Mich.
- KNIGHT, Charles A. (1884), Dir., Babcock & Wilcox, Ltd., Farringdon St., London, and 20 Hanover Terrace, Regent's Park, London, N. W., England.
- KNIGHT, Charles D. (1912), Managing Engr. Control Dept., Genl. Elec. Co., and 3 Lowell Rd., Schenectady, N. Y.
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- KNIGHT, Frederick D. (1917), Supt. of Constr., Stone & Webster, 147 Milk St., Boston, Mass.

- KNIGHT, Geo. L. (1905; 1908), Designing Engr., Edison Elec. Ill. Co. of Brooklyn, 360 Pearl St., and 111 82nd St., Brooklyn, N. Y.
- KNIGHT, Ira D. (Associate, 1915), Engr. Drive Chain Dept., Link-Belt Co., 329 W. 39th St., and 1535 E. 67th Pl., Chicago, Ill.
- *KNIGHT, William (1915; 1917), 1st Lieut. U. S. R. Aviation Sec. Signal Corps, care of Ch. Signal Officer, U. S. A., Washington, D. C., and *for mail*, 509 W. 174th St., New York, N. Y.
- KNIGHT, William A. (1915), Assoc. Prof. Mch. Shop Practice, Ohio State Univ., and 206 W. Lane Ave., Columbus, O.
- KNISELY, Edw. S. (1906), Genl. Sales Agt., Bethlehem Steel Co., and 150 S. Center St., Bethlehem, Pa.
- KNISKERN, W. H. (1905; 1912), V. P., Genl. Mgr., Cayuga Cement Corp., Portland Point, and 323 N. Geneva St., Ithaca, N. Y.
- KNOBLOCH, Alvin F. (1914), Mgr., Cleveland Tractor Co., Cleveland, O., and 317 Chicago Blvd., Detroit, Mich.
- *KNOEBEL, Carl B. (Junior, 1916), Corporal, Co. C., 111th Engrs., Camp Bowie, Ft. Worth, Tex.; Ch. Draftsman, Internatl. & Great No. Ry. Co., and *for mail*, P. O. Box 336, Palestine, Tex.
- KNOEPPPEL, Charles E. (Associate-Member, 1915), Pres., C. E. Knoeppel & Co., 101 Park Ave., and 50 Morningside Drive, New York, N. Y.
- KNOOP, Theo. M. (1904; 1916), N. Y. Mgr., Epping-Carpenter Pump Co., 90 West St., New York, N. Y.
- KNOFF, George W. (1916), Engr., 6038 Locust St., Philadelphia, Pa.
- KNORR, Karl W. (1910), Asst. Sales Mgr., Dodge Sales & Engrg. Co., and *for mail*, 430 Cahoun St., Mishawaka, Ind.
- KNOUS, Franklin F. (1889), 265 Bassett St., New Haven, Conn.
- KNOWLES, Clarence R. (1916), Supt. Water Serv., Ill. Central R. R., 135 E. 11th Pl., and 6504 Greenwood Ave., Chicago, Ill.
- KNOWLES, Morris (1907), Cons. Engr., 1200 B. F. Jones Law Bldg., and 5814 Stanton Ave., E. E., Pittsburgh, Pa.
- KNOWLTON, Chase H. (Junior, 1917), Spec. Engr. M. P. Dept., C. C. C. & St. L. Ry., 703 Majestic Bldg., and 1954 Park Ave., Indianapolis, Ind.
- KNOWLTON, Edgar (1916), E. E., Genl. Elec. Co., and *for mail*, 310 Lenox Rd., Schenectady, N. Y.
- KNOWLTON, Edward K. (1915), Power Supt., Stand. Oil Co., and *for mail*, 85 W. 34th St., Bayonne, N. J.
- *KNOWLTON, Frederic K. (1904; 1917), Capt. O. R. C., U. S. A., Pres., M. D. Knowlton Co., 29 Elizabeth St., Rochester, and *for mail*, The Pines, East Ave., Pittsford, N. Y.
- KNOWLTON, Winfield B. (1912), Ch. Draftsman, Am. Woolen Co., and *for mail*, 328 Ames St., Lawrence, Mass.
- KNOX, Clarence M. (Junior, 1911), Mgr., The Sanitary Laundry Co., 339 Church St., and 18 Chapin Pl., Hartford, Conn.
- KNOX, Garner L. (Junior, 1917), Prod. Engr., Moreland Motor Truck Co., 1701 N. Main St., Los Angeles, Cal.
- KNOX, S. L. Griswold (1892; 1901), Cons. Engr., 544 Market St., San Francisco, and San Rafael, Cal.
- *KOCH, Charles (Junior, 1916), Ordnance Draftsman, Philadelphia Navy Yard, and *for mail*, 6632 Woodland Ave., Philadelphia, Pa.
- KOCH, Felix (1916), M. E., Pressed Steel Car Co., Pittsburgh, and *for mail*, S. Fremont and Lincoln Ave., Bellevue, Pa.
- KOCH, George B. (1909), Genl. Foreman, South Altoona Foundries, Pa. R. R., and 809 Chestnut St., Altoona, Pa.
- KOCH, Henry (Associate, 1913), 6 Highland Ave., Jamaica, L. I., N. Y.
- KOCH, William H., Jr. (Junior, 1916), Industrial Engr., Meyer, Morrison & Co., Inc., 149 Broadway, New York, N. Y., and *for mail*, 407 Pali-sade Ave., West Hoboken, N. J.

- KOENIG, Adolph G. (Associate, 1909), Mem. of Firm, Mortensen & Co., 405 Lexington Ave., New York, N. Y., and 31 Hudson Pl., Highwood Park, Weehawken, N. J.
- KOEPEL, Edward (1913), Supt. Mills, Copper Range Co., Beacon Hill, Mich.
- KOERNER, Theodore H. (Associate-Member, 1917), 20 Laurel Ave., Irvington, N. J.
- KOESTER, Herman (1911; 1913), Genl. Supt., The Bristol Co., and for mail, 46 Columbia Blvd., Waterbury, Conn.
- KOHLER, Anthony M. (Associate-Member, 1917), Production Engr., Babcock & Wilcox Co., and for mail, 56 W. 6th St., Bayonne, N. J.
- KOHLER, David S. (1900), Genl. Supt., Oliver Iron & Steel Co., and 1138 Portland St., E. E., Pittsburgh, Pa.
- KOINER, C. Wellington (1915), Genl. Mgr., Engr., Pasadena Municipal Light & Power Plant, 72 N. Fair Oaks Ave., and 1912 N. Fair Oaks Ave., Pasadena, Cal.
- KOLLBERG, Gustaf L. (1910), Engr. Pumping Eng. Dept., Allis-Chalmers Mfg. Co., and for mail, 280 31st St., Milwaukee, Wis.
- KOMOW, Maximillian (Junior, 1915), Instr. Mech. Drawing and Mech. Design, Murray Hill Vocational Sch., 237 E. 37th St., New York, and 603 E. 4th St., Brooklyn, N. Y.
- KOMPASS, Frank O. (Junior, 1917), Ch. Draftsman, M. T. Davidson Co., 43 Keap St., Brooklyn, and for mail, 273 E. 176th St., New York, N. Y.
- KONSTANKEWICZ, Michael J. (Junior, 1911), Plant Engr., Detroit Steel Products Co., Blvd. and Griffin St., and for mail, 189 Clairmount Ave., Detroit, Mich.
- KOPKE, Ernst (1913), Mech. and Sugarhouse Engr., Honolulu Iron Wks. Co., and for mail, 1535 Kewalo St., Honolulu, Hawaii.
- KOPLIN, Robert D. (Junior, 1911), Bethlehem Steel Co., South Bethlehem, and for mail, 121 N. 7th Ave., Bethlehem, Pa.
- KORNFELD, Alfred E. (Associate, 1911), Ret., 114 E. 71st St., New York, N. Y.
- KOSSIF, Nissim (Junior, 1917), M. E., Roessler & Hasslacher Chem. Co., High and Fayette Sts., and for mail, Box 136, Perth Amboy, N. J.
- KOTHNY, Gottdank L. (1905; 1912), Cons. Engr., Mgr. Marine Dept., C. H. Wheeler Mfg. Co., 18th St. and Lehigh Ave., and 1927 Spruce St., Philadelphia, Pa.
- KOTTICAMP, John P. (1910; 1913), Head Mech. Lab., Cons. Engr., Pratt Inst., 215 Ryerson St., and 222 Willoughby Ave., Brooklyn, N. Y.
- KOTZ, Emil F. (Junior, 1916), Designer Engrg. Dept., Semet-Solvay Co., and for mail, 710 McBride St., Syracuse, N. Y.
- KOUWENHOVEN, Frank W. (Junior, 1917), Steam Tester, Transit Development Co., Division and Kent Aves, Williamsburg, Brooklyn, and for mail, 8 Kouwenhoven Pl., Brooklyn, N. Y.
- KOZA, Albert H. (Associate-Member, 1915), Statistician, Goodyear Tire & Rubber Co., and for mail, 27 N. Martha Ave., Akron, O.
- KRAMER, Xavier A. (Associate, 1912), Cons. Engr., Magnolia, Miss.
- KRANNERT, Herman C. (Associate-Member, 1917), Pt. Mgr., Sefton Mfg. Corp., and for mail, 925 W. 7th St., Anderson, Ind.
- KRANZ, William G. (1909), V. P., in charge Mfg., The Natl. Malleable Castings Co., 7706 Platt Ave., Cleveland, and 2600 Norfolk Rd., Cleveland Heights, O.
- KRATZ, Alonzo P. (Junior, 1913), Research Assoc. Mech Engrg. Dept., Univ. of Ill., Urbana, and for mail, 315 S. State St., Champaign, Ill.
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- *KRAUS, Sydney M. (Associate-Member, 1916), Lieut. U. S. N., U. S. S. Montana, care of Postmaster, New York, N. Y., and 159 W. Main St., Peru, Ind.

- KRAUSE, Albert E. (Associate-Member, 1913), 167 Lehigh Ave., Bethlehem, Pa.
- KRAUSE, Arthur E. (1887), Mfr. Oil and Grease, Extracting Filters for Condensate Returns, 25 Morris Ave., Mountain Lakes, N. J.
- KRAUSE, William A. (Junior, 1917), Asst. Engr. of Tests, U. S. Navy Yard, Bldg. 6, Brooklyn, N. Y.
- KRAUT, Hans B. (1916), M. E., Export Mgr., Joseph T. Ryerson & Son, 16th and Rockwell St., and *for mail*, 1135 Farwell Ave., Chicago, Ill.
- KREBS, A. Sonnin (1901; Associate, 1905), Newport, Del.
- KREHBIEL, Frederick A. (Associate, 1902), Pres., Krehbiel Co., 1712 Marquette Bldg., Chicago, and Hinsdale, Ill.
- KREHER, Ernest (1915), Pres., Genl. Mgr., Tampa Fdy. & Mch. Co., and Bayshore Blvd., Tampa, Fla.
- KREIDLER, Dana W. (1917), Ch. Engr. Carburetor Div., Detroit Lubricator Co., 1220-1278 Trumbull Ave., and *for mail*, Hotel Addison, Detroit, Mich.
- KREISER, Walter W. (Junior, 1916), Asst. Engr. Tests, U. S. Government, N. Y. Navy Yard, Mech. Lab. Bldg. No. 6, Brooklyn, N. Y., and *for mail*, 91 Linden Ave., Jersey City, N. J.
- KREISINGER, Henry (1912), Engr., U. S. Bureau of Mines, and 830 Jancey St., Pittsburgh, Pa.
- KREMER, Waldemar R. (1912), Cons. Engr., Sales Mgr., Vilter Mfg. Co., and 637 Van Buren St., Milwaukee, Wis.
- KREMERS, Clarence H. (1914; Associate-Member, 1916), Constr. Engr., Mammoth Copper Min. Co., Kennett, Cal.
- KRESSLER, Oscar (1913), Maintenance Engr., Dayton Engrg. Lab. Co., Domestic Bldg. Co., care of The Delco Co., Dayton, and *for mail*, 814 Harman Ave., Oakwood, Dayton, O.
- KRETSCHMER, Frederick G. (Associate, 1895), Prop. F. G. Kretschmer & Co., Gutleustr. 2, and *for mail*, Gallus-Anlage 1, Frankfort-on-Main, Germany.
- KREIGER, Arthur H. (1916), Genl. Mgr., Celite Products Co., 11 Broadway, New York, and Spuyten Duyval, N. Y.
- KRIMMEL, Ernst (1914), Htg. and Vent. Engr. with Werner Nygren, 101 Park Ave., New York, and 436 Amity St., Flushing, L. I., N. Y.
- KROESCHELL, Robert A. (Junior, 1915), Sales Engr., Kroschell Bros., Ice Mch. Co., 472 W. Erie St., and 6410 Glenwood Ave., Chicago, Ill.
- KRONFELD, Gus. L. S. (Associate-Member, 1917), M. E., The Haynes Stellite Co., 2220 Farmers Bank Bldg., Pittsburgh, and *for mail*, 500 Todd St., Wilksburg, Pa.
- KROTO, George (1908), Cons. Engr., 320 E. Hudson Terminal Bldg., 30 Church St., New York, N. Y.
- KRUESI, August H. (1901; 1904; 1915), Engr. of Constr., Genl. Elec. Co., and 7 Adams Rd., Schenectady, N. Y.
- KRUMMEL, Louis C. (1901), Cons. Engr., 488 Nostrand Ave., Brooklyn, N. Y.
- KRYZANOWSKY, Constant J. (Associate, 1902), Pres., Tungsten Products Co., Baltimore and Eighth Sts., Baltimore, and Hill Top Park, Mt. Washington, Md.
- KUEHN, Hugo R. (Junior, 1917), M. E., Ill. Steel Co., and *for mail*, 407 Richards St., Joliet, Ill.
- KÜEN, William E. (Associate-Member, 1915), Engr., Badenhause Co., 1425 Chestnut St., and *for mail*, 2311 N. 18th St., Philadelphia, Pa.
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- KUHLEN, Frederick, Jr. (Junior, 1916), Rm. 1302 Peoples Savings Bank Bldg., Pittsburgh, Pa., and *for mail*, 69 Booraem Ave., Jersey City, N. J.

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- KUNHARDT, Lewis H. (1905), V. P., Engr., Boston Mfrs.' Mut. Fire Ins. Co., 31 Milk St., Boston, and *for mail*, 303 Franklin St., Melrose Highlands, Mass.
- KUNZ, William J. (Junior, 1916), M. E., Otis Elev. Co., Yonkers, and *for mail*, 130 Stone Ave., Bryn Mawr Park, Yonkers, N. Y.
- *KUNZE, Edward J. (1907), Capt. Quartermaster Dept., U. S. R., Fort Riley, Kan., and *for mail*, East Lansing, Mich.
- KUPFER, Otto, Jr. (Junior, 1915), Gun Div. Ord. Dept., U. S. A., 1330 F St., Washington, D. C., and *for mail*, 300 Hudson St., Hoboken, N. J.
- KUPFERLE, Edward (1899), Pres., Kupferle Bros. Mfg. Co., 600 N. 2d St., and 5226 Waterman Ave., St. Louis, Mo.
- KUSS, Robert H. (1913), Cons. M. E., Rm. 805, 112 W. Adams St., and 5784 E. Circle Ave., Chicago, Ill.
- KUTTER, H. L. (1902; 1907), Secy., Sales Mgr., Engr., The Black-Clawson Co., and *for mail*, 843 Dayton St., Hamilton, O.
- KUTTNER, Julius (Junior, 1917), Designing Engr., Sperry Gyroscope Co., Manhattan Bridge Plaza, Brooklyn, and *for mail*, 567 W. 113th St., New York, N. Y.
- KUWADA, Gompei (1900), Constr. Engr., Nippon Senrio Seizo Kaisha Wks., Kawakishicho, Nishiku, Osaka, Japan.
- KWANG, Kwong Yung (1899), Life Member; Dir., Engr., Lincheng Mines, Lincheng, Chihli Province, Kin-Han Ry., via Peking, North China.
- KYHL, Louis C. (Associate-Member, 1917), Ch. Draftsman, Am. Smelting & Refining Co., Omaha, Neb.
- KYLE, Samuel C. (Associate-Member, 1917), Pres., Engrg. & Sales Corp., 864 Peoples Gas Bldg., and 8130 Kimbark Ave., Chicago, Ill.
- LAABS, Eric H. (Junior, 1917), M. E., Cutler-Hammer Mfg. Co., Milwaukee, Wis.
- LACAZETTE, A. A. (Junior, 1916), West India Oil Co., P. O. Box 745, Havana, Cuba.
- *LACOMBE, Charles F. (1915), Capt. E. O. R. C., 25th Regiment Engr., Camp Devens, Aver, Mass., and 1 W. 54th St., New York, N. Y.
- LACOUNT, Henry O. (1907), Engr., Asst. Secy., Assoc. Factory Mut. Fire Ins. Co., 31 Milk St., Boston, and *for mail*, 124 College Ave., West Somerville, Mass.
- LA CROIX, Arthur J. (Associate-Member, 1914), Supt., Hyde Mfg. Co., and *for mail*, Everett St., Southbridge, Mass.
- LACY, Richard W. (Junior, 1917), Garfield and Oak Sts., South Pasadena, Cal.
- LACY, Robert (Associate-Member, 1917), Estimating Engr., Otis Elevator Co., New York, N. Y., and *for mail*, P. O. Box 67, Rutherford, N. J.
- LADD, George T. (1896; Associate, 1901), Pres., The George T. Ladd Co., 1620 Farmers Bank Bldg., Pittsburgh, and 5428 Baum Blvd., East Liberty, Pa.
- LADD, Jas. B. (1884), Cons. Engr., 1011 Chestnut St., Philadelphia, Pa.
- LAENCHER, Fred W. (1917), Ch. Engr., 79 Elaert Lane, Cypress Hills, Brooklyn, N. Y.
- LAFORE, John A. (1904), Pres., Merion Paper Co., 704 Bellevue Ct. Bldg., Philadelphia, Pa.
- LAGE, Jorge (1914), Pres., Cia Nacional de Navegacao Costeira, Rua da Candelaria 4, and *for mail*, Ilha do Vianna, Rio de Janeiro, Brazil, S. A.
- LAGER, Carl A. (Junior, 1898), Supt., Morris Mch. Wks., Baldwinville, N. Y.
- LAGERHOLM, Axel F. (Associate-Member, 1917), Secy., J. E. Dockendorff & Co., Inc., 20 Broad St., New York, and *for mail*, 110 Columbia Hgts., Brooklyn, N. Y.

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- LAINE, William B. (1914), Sales Mgr., Kirkman & Son, 215 Water St., Brooklyn, N. Y., and *for mail*, 301 William St., East Orange, N. J.
- LAIRD, Wilbur G. (1909; 1916), with Henry L. Doherty, 60 Wall St., and 400 W. 160th St., New York, N. Y.
- LAKE, Charles W. (Associate-Member, 1916), Draftsman, H. Mueller Mfg. Co., and *for mail*, 138 S. Edward St., Decatur, Ill.
- LAKE, Simon (1907), Pres., Lake Submarine Co., and 29 Broad St., Milford, Conn.
- LAKEY, Arthur B. (Associate-Member, 1913), Assoc. Engr. with Albert Kingsbury, Cons. Engr., 1347 Oliver Bldg., and 5762 Baum Blvd., Pittsburgh, Pa.
- LAMAR, Philip R. (1911), Dist. Mgr., The South Cotton Oil Co., and 35 W. 11th St., Atlanta, Ga.
- LAMB, Hawthorne M. (Associate-Member, 1917), Mech. Eng. Bureau of Valuation, Interstate Commerce Commission, 731 Wells Fargo Bldg., San Francisco, Cal.
- *LAMBELET, Carl H. (Junior, 1913), 1st Lieut., O. D., U. S. R., 739 Blvd. E., Weehawken, N. J.
- LAMBSON, DeWitt C. (1912), M. E., Fisk Rubber Co., Chicopee Falls, and *for mail*, 130 Sherman Ave., Springfield, Mass.
- *LAMONT, Clarence B. (1914), Engr. O. R. C., U. S. A., Ret., Hoge Bldg., and *for mail*, 1414 E. Roy St., Seattle, Wash.
- *LAMOREE, James K. (Junior, 1916), 1st Lieut., Engrs., U. S. R., O. R. C., Engr. Sec; Wks. Engr. Shenango Wks., Am. Sheet & Tin Plate Co., and *for mail*, 325 Boyles Ave., New Castle, Pa.
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- *LANCASTER, W. C. (1912), Capt., E. O. R. C., U. S. A., 904 Park Ave., Richmond, Va.
- LAND, Frank (1900), 513 Turtle St., Syracuse, N. Y.
- LANDER, Roswell S. (1915), Highway Eng., Winchester, Franklin Co., Tenn., and 17 Sampson St., N. S., Pittsburgh, Pa.
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- LANDGRAF, Frederick K. (1916), Genl. Supt., Flannery Bolt Co., Bridgeville, and *for mail*, 60 Hawthorne Ave., Crafton, Pa.
- LANDGREBE, Karl L. (1917), Asst. Genl. Supt., Tenn. Coal, Iron & R. R. Co., and Palmer Terrace, Ensley, Ala.
- LANDIS, Mark H. (Associate-Member, 1913), Genl. Mgr., Supt., Engr., Landis Engrg. & Mfg. Co., 225 Ringgold St., and *for mail*, 22 W. 3d St., Waynesboro, Pa.
- LANDVOIGT, Thomas E. (1917), Hgt., Vent. and Sanitary Engr., Municipal Building, and *for mail*, 1007 Monroe St., N. W., Washington, D. C.
- LANDON, A. A. (1902), V. P. Am. Radiator Co., 1807 Elmwood Ave., and 76 Penhurst Park, Buffalo, N. Y.
- LANDRETH, Olin H. (1883), Vice-President, 1885-1886; Prof. C. E., Union College, Schenectady, Cons. Engr., 156 Fifth Ave., New York, N. Y.
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- LANE, Frederick L. (1915), Mech. Supt., Engr., Haines, Jones & Cadbury Co., 1130-44 Ridge Ave., and *for mail*, 4921 N. 12th St., Philadelphia, Pa.
- LANE, Harry C. (1907), Asst. Ch. Engr., Bethlehem Steel Co., Md. Steel Plant, and *for mail*, 620 "C" St., Sparrows Point, Md.
- LANE, Harry M. (1886), Pres., The Lane & Bodley Co., Bond Hill, and 949 Lenox Pl., Cincinnati, O.
- LANE, Henry Marquette (1900), Pres., The H. M. Lane Co., 707 Owen Bldg., Detroit, and 208 Highland Ave., Highland Park, Detroit, Mich.
- LANE, J. S. (1882), M. E., The Engr. Co., 17 Battery Pl., and 416 W. 122d St., New York, N. Y.
- LANE, Leon K. (1913), Factory Mgr., Empire Cream Separation Co., Bloomfield, N. J.
- *LANEY, Thomas G., Jr. (Junior, 1917), 2nd Lieut. Battalion E., 341 Field Artillery, Camp Funston, Kan.
- LANG, Charles (1905: 1916), N. Y., Mgr., C. H. Wheeler Mfg. Co., 114 Liberty St., New York, and 348 Jefferson Ave., Brooklyn, N. Y.
- LANG, Charles A. (Junior, 1912), Supt., The Northwest. Consldt. Milling Co., 1st St. and 5th Ave., S., and *for mail*, 2300 S. Irving Ave., Minneapolis, Minn.
- LANG, Charles W. (Associate-Member, 1915), Asst. to Ch. Engr. of Ordnance, E. W. Bliss Co., foot of 53rd St., Brooklyn, N. Y.
- LANG, John B. (Associate-Member, 1916), care of John Lang & Sons, Lathe Mfrs., Johnstone, and *for mail*, Lynhurst, Johnstone, near Glasgow, Scotland.
- LANG, John F. (1917), Supt., Oxweld Acetylene Co., 646 Frelinghuysen Ave., and *for mail*, 12 Nye Ave., Newark, N. J.
- LANG, Philip A. (1896), Managing Dir., The British Westinghouse Elec. & Mfg. Co., Ltd., Trafford Park, Manchester, England.
- LANG, William H. (1915), Secy., Treas., Phillips, Lang & Co., 2014 Fisher Bldg., and 649 W. 62nd St., Chicago, Ill.
- LANGE, Henry B. (Junior, 1910), Cost Accountant, Enameled Sanitary Ware Mfrs. Assoc., Rm. 909 Oliver Bldg., Pittsburgh, Pa.
- LANGE, Paul H. (1914), Ch. Engr., Max Ams Mch. Co., and 109 Lenox Ave., Bridgeport, Conn.
- LANGE, Walter C. (Junior, 1914), Salesman, Doehler Die-Casting Co., Court, Ninth and Huntington Sts., Brooklyn, and *for mail*, 3021 Heath Ave., New York, N. Y.
- LANGELIER, Antoine J. (1914), Pres., Designing Engr., Langelier Mfg. Co., 67 Clifford St., Providence, R. I.
- LANGEN, George (1906), Wks. Mgr., Cincinnati Planer Co., Oakley, Cincinnati, and 3558 Zunnstein Ave., Cincinnati, O.
- LANGFORD, George (1916), Gen. Supt., Am. McKenna Process Co., and R. F. D. 4, Joliet, Ill.
- *LANGILLE, Herbert B. (1915), Lieut. (Junior Grade), N. C. D. R., U. S. N. R. F.; Asst. Prof. Mch. Design and Mech. Drawing, Univ. of Cal., and 1522 Spruce St., Berkeley, Cal.
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- LANSING, Raymond P. (Junior, 1917), Engr., Bijur Motor Lighting Co., 15th and Garden Sts., Hoboken, and *for mail*, 16 Grove Terrace, Montclair, N. J.
- LANYI, Louis (Associate-Member, 1917), Ch. Engr. Fan Div., Green Fuel Economizer Co., Beacon, and *for mail*, North White Plains, N. Y.
- LANZA, Cav. Gaetano (1882), Prof Emeritus Theor. and Applied Mech., Mass. Inst. of Tech., Engr., Baldwin Loco. Wks., 500 N. Broad St., and *for mail*, The Montevista, 63d and Oxford Sts., Philadelphia, Pa.
- LAPAT, Leopold (Junior, 1908), Erecting Engr., Henry R. Worthington, Harrison, and *for mail*, 249 Godwin St., Paterson, N. J.
- LAPHAM, Jared S. (Associate-Member, 1916), Adjunct Prof. of Exper. Engrg., Univ. of Va., University, Va.
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- LARKIN, Fred V. (1915), Asst. Genl. Supt., Harrisburg Pipe & Pipe Bending Co., and *for mail*, 1522 State St., Harrisburg, Pa.
- LARKIN, William H., Jr. (1904), M. E., Revere Rubber Co., and 91 Tudor St., Chelsea, Mass.
- LARMER, James G. (1914), Lubricating Eng., Standard Oil Co., Sioux City, Iowa; Hotel Ste. Claire, Detroit, Mich.
- LARNER, Chester W. (1907; 1912), Hyd. Engr., Wellman-Seaver-Morgan Co., Cleveland, O.
- *LARSEN, Charles (Associate-Member, 1916), Capt., 26th Engrs., Camp Dix, N. J., and 2340 Williams St., Denver, Colo.
- LARSEN, Othmar I. (1916), The Canadian Fairbanks-Morse Co., Ltd., West Toronto, and *for mail*, 14 Mountview Ave., High Park, Toronto, Ont., Canada.
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- LASHER, George W. (Associate, 1914), Treas., Mgr., Munson Mill Mchy. Co., Inc., 405 Broadway, Utica, and *for mail*, 18 Hillside Ave., New Hartford, N. Y.
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- LATHAM, Harry M. (1908), M. E., Crompton & Knowles Loom Wks., and 30 Lever St., Worcester, Mass.
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- LATTIN, Albert N. (1917), Mech. Supt., New Departure Mfg. Co., and *for mail*, 223 Center St., Bristol, Conn.

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- LAUER, Herbert H. (1914), Constr. Eng., Atlas Portland Cement Co., Northampton, and 1846 Turner St., Allentown, Pa.
- LAUGHLIN, Alexander (1913), Pres., Central Tube Co., 1800 First Natl. Bank Bldg., Pittsburgh, Pa.
- LAUGHLIN, Alex., Jr. (Junior, 1911), V. P., Central Tube Co., 1800 First Natl. Bank Bldg., Pittsburgh, and Sewickley, Pa.
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- LAWRENCE, Howard F. (Junior, 1908), Test Engr., Am. Engrg. Co., Aramingo Ave., and Cumberland St., Philadelphia, and 811 66th Ave., Oak Lane, Philadelphia, Pa.
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- LAWRENCE, Meredith F. (Junior, 1914), Engr., Hyatt Roller Bearing Co., and Lonella Apts., Wayne, Pa.
- LAWRENCE, Norman S. (1915), Sales Eng., Whiting Fdy. Equip Co., Harvey, and 5200 Dorchester Ave., Chicago, Ill.
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- LAWRENCE, Willis (1917), M. E., Interboro Rapid Transit Co., 600 W. 59th St., and 251 E. Kingsbridge, Rd., New York, N. Y.
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- LEACH, Ralph W. E. (1915), N. E. Mgr., Am. Engrg. Co., 10 P. O. Sq., Boston, and *for mail*, 187 Babcock St., Brookline, Mass.
- LEARY, George (1916), Pres., Treas., Morris & Cumings Dredging Co., Pres., Treas., Red Hook Light & Power Co.; Pres., Treas., George Leary Constr. Co., 17 State St., and *for mail*, 1053 Fifth Ave., New York, N. Y.
- LEASE, Leonard J. (1917), Dist. Mgr., Allen Bradley Co., 705 May Bldg., Pittsburgh, Pa.
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- LeBLOND, Richard K. (1900), Pres., R. K. LeBlond Mch. Tool Co., Madison and Edwards Rd., and Madison Rd. and Vista Ave., Cincinnati, O.
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- LEDoux, J. W. (1910), Ch. Engr., Am. Pipe & Constr. Co., 112 Broad St., Philadelphia, and Swarthmore, Delaware Co., Pa.
- LEE, Cazenove G., Jr. (Associate-Member, 1917), Powder Maker, E. I. du Pont de Nemours & Co., and *for mail*, 15 Ramsay Ave., City Pt., Va.
- LEE, Clifford (Junior, 1916), M. E., India Rubber Co., Washington and Peace St., and *for mail*, 117 N. 3rd Ave., New Brunswick, N. J.
- LEE, Gilmer T. (1916), Mgr., The Solvay Process Co., P. O. Box 516, and *for mail*, 106 15th St., E., Hutchinson, Kan.
- LEE, Nixon (1910; Associate-Member, 1913), Ch. Engr., Sears Cross Co., 141 41st St., Bush Terminal, and *for mail*, 1265 Carroll St., Brooklyn, N. Y.
- LEE, Ralph A. (1909; Associate-Member, 1914), Spec. Engr., The Barrett Co., 17 Battery Pl., New York, and 476 81st St., Brooklyn, N. Y.
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- LEE, Wm. F., (1907), Genl. Mgr., Richmond Metal Products Co., Inc., and *for mail*, 405 E. Grace St., Richmond, Va.
- LEE, William S. (1907), Ch. Engr., So. Power Co., Mercantile Bldg., and 433 E. Morehead St., Charlotte, N. C.
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- *LEWIS, Frederick H. (1911), Maj. Ord. Dept., U. S. A.; Cons. Engr., 732 Brown-Marx Bldg., and 2723 Juniper Ave., Birmingham, Ala.
- LEWIS, George C. (Junior, 1916), Asst. Chief Engr., Hersh & Bro., and 27 So. 18th St., Allentown, Pa.
- LEWIS, George W. (1915), Asst. Prof. Engrg., Swarthmore College, and 16 Princeton Ave., Swarthmore, Pa.
- LEWIS, Goodrich Q. (Associate-Member, 1916), M. E., W. H. Miner, 667 The Rookery, Chicago, and 1001 N. Wheaton Ave., Wheaton, Ill.
- LEWIS, Harry I. (Junior, 1916), care of A. L. Lewis, Kittery Rd., Rowley, Mass.
- *LEWIS, J. Clifford (Associate-Member, 1916), A. M. E., Construction Dept., Signal Corps, U. S. A., Washington, D. C.
- LEWIS, Joseph E. (Junior, 1899), M. E., 1218 Warner St., and *for mail*, 1601 Moreland Ave., Baltimore, Md.
- *LEWIS, Kenneth B. (Associate-Member, 1917), Private Co. H., 19th Inf., Mass., S. G., Mgr. Dept. of Wire Mill Mach'y. Morgan Constr. Co., 15 Belmont St., Worcester, Mass.
- LEWIS, Leroy M. (Associate, 1914), The Globe Automatic Sprinkler Co., 2019-2035 Washington Ave., Philadelphia, and *for mail*, 6344 City Line, Overbrook, Pa.
- LEWIS, Rollin C. (1890), Supt. Bank Lock Dept., Yale & Towne Mfg. Co., and 353 Summer St., Stamford, Conn.
- LEWIS, Warren B. (1915), Cons. Engr., 740 Grosvenor Bldg., Providence, R. I., and Seekonk, Mass.
- LEWIS, Warren D. (Junior, 1916), Ch. Engr., Bradstreet Realty Corp'n, 148 Lafayette St., New York, and *for mail*, 275 Quincy St., Brooklyn, N. Y.
- LEWIS, Wilfred (1884), Vice-President (1901-1903); Life Member; Pres., The Tabor Mfg. Co., 1740 Hamilton St., Philadelphia, and *for mail*, Rose Lane, Haverford, Pa.
- LEWIS, Wm. Y. (1902), Cons. Engr., Managing Dir., The British Niclausse Boiler Co., Ltd., Caxton House, Westminster, London, S. W., and 64 Park Rd., Southend-on-Sea, Essex, England.
- LEWY, Daniel (Associate-Member, 1915), West. Mgr., Stand. Plunger Elev. Co., 327 S. La Salle St., and *for mail*, 1538 E. 61st St., Chicago, Ill.
- LIBBEY, Joseph H. (1901; 1904; 1908), E. E., Bay State St. Ry. Co., 84 State St., Boston, and *for mail*, 14 Parsons St., West Newton, Mass.
- LIBBEY, Richard H. (1913; 1917), Engr., Otis Elev. Co., 11th Ave. and 26th St., New York, N. Y., and *for mail*, 24 Terrace Pl., Belleville, N. J.
- LIBBY, Charles L. (1900), V. P., Supt. Internatl. Mch. Tool Co., 2604 College Ave., Indianapolis, Ind.
- LIBBY, Malcolm (1902; 1905; 1909), Student, Harvard Graduate Sch. of Business Administration, Gray's Hall 49, Cambridge, Mass.

- LIBBY, Sam H. (1897; 1900), Engr. Hoist Dept., Sprague Elec. Wks., Bloomfield, and *for mail*, 23 Whittlesey Ave., East Orange, N. J.
- *LIBBY, Wm. L. (Associate-Member, 1917), Lieut. Production Section, Gun Div., 1800 Virginia Ave., Washington, D. C.
- LICHTENSTEIN, Valentine (Junior, 1912), Supt., The Fish Net & Twine Co., East Haddam, Conn.
- LICHTNER, William O. (1915), Cons. Engr., Thompson & Lichtner, Federal St. Bldg., Boston, and *for mail*, 1625 Center St., Newton Highlands, Mass.
- LIDBURY, Frank A. (1917), Wks. Mgr., Oldbury Electro Chem. Co., and 33 Sugar St., Niagara Falls, N. Y.
- LIDE, Martin J. (1912), Cons. Engr., Woodward Bldg., Birmingham Ala.
- LIEB, John W. (1886), Manager, 1903-1906; Vice-President, 1906-1908; V. P., N. Y. Edison Co., 124 E. 15th St., New York, and Montgomery Circle, Beechmont Park, New Rochelle, N. Y.
- LIEBERMANN, Paul B. (1915), Chief Engr. Hyatt Roller Bearing Co., Newark, and *for mail*, 52 Warrington Pl., East Orange, N. J.
- LIGHTHIPE, Wm. W. (1907), Mgr. of Genl. Serv., Otis Elev. Co., 11th Ave., and 26th St., and 45 W. 11th St., New York, N. Y.
- *LIGHTOWLER, George R. (Junior, 1916), 1st Lieut. O. R. C., Watertown Arsenal, Watertown, Mass., and 67 Fifth Ave., New Rochelle, N. Y.
- LILJEGREN, Gunnar O. (1917), Mgr. Sprinkler Dept., Urbauer-Atwood Htg. Co., 115-21 11th St., St. Louis, Mo.
- LILLIBRIDGE, Ray D. (Associate, 1907), Pres., Ray D. Lillibridge Inc., 111 Broadway, New York, N. Y.
- LILLIE, Grant W. (Junior, 1901), M. M., Bingham & Garfield Ry., Garfield, Utah.
- LILYGREEN, Frank G. (Associate, 1917), Genl. Shop Supt., Am. Hoist & Derrick Co., 63 S. Robert St., and *for mail*, 1055 Goodrich Ave., St. Paul, Minn.
- LINCH, Edward P. (1902), 501 Woodland Terrace, West Philadelphia, Pa.
- LINCOLN, Clovis W. (Junior, 1916), Instr. U. S. A. Sch., of Military Aeronautics, Univ. of Ill., and *for mail*, 1102 S. Lincoln Ave., Urbana, Ill.
- LINCOLN, Ellis S. (Associate-Member, 1917), Asst. Supt., Henry Hope & Sons of Canada, Ltd., and *for mail*, P. O. Box 928, Peterborough, Ont., Canada.
- LINCOLN, Howard A. (Junior, 1915), Nichols & Lincoln, 100 E. Chicago Ave., Chicago, Ill.
- LINCOLN, Joseph B. (Junior, 1917), M. E., Naval Engrg. Exper. Sta., and *for mail*, 471 West St., Annapolis, Md.
- *LINCOLN, Paul M. (1907), Capt., E. O. R. C., Commer. Engr., Ry. and Lighting Dept., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 6830 Thomas Blvd., Pittsburgh, Pa.
- LINDBERG, Fritz A. (1908; 1911), Gardner & Lindberg, 1135 Marquette Bldg., Chicago, and 2725 Lincoln St., Evanston, Ill.
- LINDBERG, George I. (Junior, 1917), Gogebic Steam Boiler Wks., and *for mail*, 914 E. 5th St., Duluth, Minn.
- LINDBERG, I. J. (1916), M. E., Asst. Supt., Abendroth & Root Mfg. Co., N. Montgomery St., and *for mail*, 114 Grand St., Newburgh, N. Y.
- LINDEMANN, August S. (1913), Secy., Treas., Milwaukee-Waukesha-Brewing Co., P. O. Box 174, and 236 25th St., Milwaukee, Wis.
- LINDEMANN, Walter C. (Associate-Member, 1913), Ch. Engr., Asst. Supt., A. J. Lindemann & Hoverson Co., and *for mail*, 817 Superior St., Milwaukee, Wis.

- LINDEMUTH, Francis L. (Associate-Member, 1914), Draftsman, H. Koppers Co., First Natl. Bank Bldg., Pittsburgh, and *for mail*, 604 Hampton Ave., Wilksburg, Pa.
- LINDENKOHL, Henry (1917), Engr. of Constr., Worthington Pump & Mch. Corp'n, 115 Broadway, New York, N. Y.
- LINDHOLM, Arthur C. (Associate-Member, 1914), 380 Bergen St., Brooklyn, N. Y., and *for mail*, 194 Liberty St., Middletown, Conn.
- LINDQUIST, Edward W. (1902; 1905), Dist. Mgr., Allis-Chalmers Mfg. Co., 745 Rialto Bldg., and 6246 Broderick St., San Francisco, Cal.
- LINDQUIST, Eric A. (1911; Associate-Member, 1917), Supt. W. & B. Douglas, Middletown, Conn.
- LINDSAY, W. Edward (1895), Cons. Engr., Instr., Mch. Design, Pratt Inst., Brooklyn, and 2337 Broadway, New York, N. Y.
- LINDSTROM, Charles A. (1891), Asst. to Pres., Pressed Steel Car Co., 1909 Farmers' Bank Bld., and 138 Stratford Ave., Pittsburgh, Pa.
- LINDSTROM, J. A. (1911), Struc. Engr., Genl. Chem. Co., 25 Broad St., New York, and *for mail*, 154 Sterling Pl., Brooklyn, N. Y.
- LINDSTROM, Nils O. (1903), Mgr., A. B. See Elec. Elev. Co., Pacific Ave., Jersey City, and *for mail*, 121 High St., Nutley, N. J.
- LINK, M. W. (1917), Asst. Mech. Expt., Crane Co., 836 S. Michigan Ave., and *for mail*, 5306 Ferdinand St., Chicago, Ill.
- LINKER, Abraham (Junior, 1913), Mech. Draftsman, Atlantic Refining Co., 3144 Passyunk Ave., Philadelphia, Pa., and *for mail*, 970 Eastern Parkway, Brooklyn, N. Y.
- LINKER, Harrison S. (Associate-Member, 1916), Estimating Engr., Engrg. Dept., Cambria Steel Co., Locust St., and *for mail*, 211 Vanango St., Johnstown, Pa.
- LINLEY, Frederick H. (Junior, 1913), E. E., Duluth & Iron Range R. R. Co., 510 Wolvin Bldg., and 302 S. 26th Ave. E., Duluth, Minn.
- LIPPS, Henry, Jr. (1888; 1891), Pres., The Wilton Constr. Co., 683 Rosewood St., New York, and *for mail*, 127 Park Ave., Mt. Vernon, N. Y.
- *LIPSNER, Benjamin B. (Associate-Member, 1916), Capt. O. R. C., Motor Section, Ordnance Dept., and *for mail*, 3107 Douglas Blvd., Chicago, Ill.
- LISKOW, B. H. (1914), Plant Supt., Montague Iron Wks., Montague Mich.
- LISTER, Alfred (1913), Mech. Supt., Clark Thread Co., 260 Ogden St., Newark, N. J.
- LISTER, Robt. R. (1894), Life Member; Prop. Greenbank Steam Laundry, Gately, Cheshire, and *for mail*, "Burnside," Cheadle, Cheshire, England.
- LITHGOW, Richard P. (Junior, 1917), Ch. Engr., Arkansas Water Co., 112 E. 7th St., and *for mail*, 1408 Oak St., Little Rock, Ark.
- LITTLE, Arthur D. (1912), Pres., Arthur D. Little, Inc., 30 Charles River Rd., Kendall Sq., Cambridge, and 107 Upland Rd., Brookline, Mass.
- LITTLE, Arthur L. (1914), Mech. Supt. Mfg. Co., South Brewer, and *for mail*, 282 S. Main St., Brewer, Me.
- LITTLE, Chas. H. (Associate, 1904), Mgr., Universal Drafting Mch. Co., Cleveland, and *for mail*, 29 Rosalind Ave., East Cleveland, O.
- LITTLE, Edwin R. (Associate-Member, 1916), M. E., Little & Shepard, 2033 Dime Bank Bldg., and 93 Hague Ave., Detroit, Mich.
- LITTLE, James E. (1913), Ch. M. E., The Spanish-Am. Iron Co., South Bethlehem, and 127 S. High St., Bethlehem, Pa.
- LIVERSIDGE, Horace P. (1917), Operating Engr., The Philadelphia Elec. Co., 1000 Chestnut St., Philadelphia, Pa.
- LIVINGSTON, Robert R. (1906), Cons. and Constr. Engr., 2 Rector St., New York, N. Y.

- LLOYD, Axtell A. (Junior, 1917), Designer, Greenfield Tap & Die Corp'n, U. S. Armory, and *for mail*, 226 Pearl St., Springfield, Mass.
- LLOYD, Sherman C. (Associate-Member, 1916), Asst. Ballistic Engr., E. I. du Pont de Nemours & Co., Exp. Sta., and *for mail*, 1402 Gilpin Ave., Wilmington, Del.
- LOBBEN, Peder (1895), Skodbo, Kraakstad, Norway.
- LOBER, William D. (1911), V. P., Vulcanite Portland Cement Co., 1230 Land Title Bldg., Philadelphia, and 234 Church Rd., Ardmore, Pa.
- LOCK, Robert (Associate, 1913), Pres., Apollo Steel Co., Apollo, and 5635 Rippey St., E. E. Pittsburgh, Pa.
- LOCKARD, James P. (Junior, 1915), Lackawanna Steel Co., and *for mail*, 231 Norwood Ave., Buffalo, N. Y.
- LOCKETT, Andrew M. (1900), Pres., A. M. Lockett & Co., Ltd., 533 Baronne St., and 1639 Robert St., New Orleans, La.
- LOCKETT, Kenneth (1904; 1907; 1913), Sales Mgr., The G. A. Buhl Co., 116 S. Green St., Chicago, and *for mail*, 823 Michigan Ave., Evanston, Ill.
- LOCKWOOD, Edwin H. (1890; 1903), Asst. Prof. M. E., Yale Univ., Mason Lab., and *for mail*, 51 Sheldon Terrace, New Haven, Conn.
- LOCKWOOD, J. B. C. (1916), Cons. Engr., 324 Worcester Bldg., and 271 E. 9th St., N., Portland, Ore.
- LOCKWOOD, Harold R. (Associate-Member, 1916), Cross & Brown Co., 18 E. 41st St., New York, N. Y.
- LOCKWOOD, Marquis H. (1917), Mech. Expt., Pat. Atty., 2 Rector St., New York, N. Y.
- LOCKWOOD, Rutherford T. (Junior, 1904), Asst. Supt., Stand. Oil Co., L. I. Refinery, 10th St., and West Ave., Long Island City, and *for mail*, 1342 Union St., Brooklyn, N. Y.
- LOCKWOOD, Ryland L. (1913), Pres., Lockwood & Almquist, Inc., 112 E. 19th St., New York, and 1050 Park Pl., Brooklyn, N. Y.
- LOEB, Alfred H. (Junior, 1915), Secy., Arch. Serv. Corp'n, 150 N. 6th St., and *for mail*, St. James Hotel Annex, 13th and Walnut Sts., Philadelphia, Pa.
- LOEB, Leo (Junior, 1911), M. E., J. H. Weaver & Co., 61 Broadway, New York, N. Y., and 6 High St., Glen Ridge, N. J.
- LOEPSINGER, Albert J. (1908; 1913), M. E., Genl. Fire Extinguisher Co., P. O. Box 1435, Providence, and *for mail*, 112 Arnold Ave., Edgewood, R. I.
- LOEWENSTEIN, Dr. Louis C. (1913), Engr., Genl. Elec. Co., West Lynn, and *for mail*, 15 Kimball Rd., Lynn, Mass.
- LOEWY, George J. (1914), Prin., Murray Hill Vocational Sch., 237 E. 37th St., New York, Prin., Brooklyn Vocational Sch. for Boys, Brooklyn; also, 870 E. 175th St., New York, N. Y.
- LOF, Otto J. (Associate, 1913), Expt. in Grinding and Grinding Wheels in Europe for Norton Co., of Worcester, Mass., 74 Mühlenstr., Pankow, Berlin, Germany.
- LOFTS, David (1901), Ch. Engr., Am. Steel Foundries, and *for mail*, 2622 Lakeview Ave., Chicago, Ill.
- LOFTUS, James J. (Associate-Member, 1917), Sales Engr., Reed-Prentice Co., and *for mail*, 30 Myrtle St., Worcester, Mass.
- LOGAN, Frank J. (1894), Ret., 111 Broadway, New York, and *for mail*, 285 DeKalb Ave., Brooklyn, N. Y.
- LOGAN, James (Associate, 1904), First V. P., Genl. Mgr., U. S. Envelope Co., 75 Grove St., and *for mail*, 222 Salisbury St., Worcester, Mass.
- LOGAN, John W. (1894; 1899; 1904), Mgr. Steel Wks. Dept., Alan Wood, Iron & Steel Co., Conshohocken, and Bala, Montgomery Co., Pa.
- LOGAN, Lloyd (Junior, 1916), Union Sulphur Co., Sulphur Mine, La.

- LOGAN, Maurice H. (Associate, 1916), Div. Operator Hudson Div., Pub. Serv. Elec. Co., 323 Palisade Ave., and *for mail*, 111 Reservoir Ave., Jersey City, N. J.
- *LOGAN, Orwell (Associate-Member, 1917), Natl. Army, Camp Upton, Yaphank, and 233 Nott Ave., Long Island City, N. Y.
- LOGAN, Wm. J. (1880), Life Member; Logan Iron Wks., 111 Broadway, New York, and *for mail*, care of H. H. Russell, 106 Ashford St., Brooklyn, N. Y.
- LOHMANN, Alfred P. (1917), Engr. in Charge of Design, Constr., Equip. and Maintenance, The B. F. Goodrich Co., and *for mail*, 37 Marshall Ave., Akron, Ohio.
- LOIZEAUX, Alfred S. (1915), E. E., Consldt. Gas, Elec. Light & Power Co., Baltimore, and Towson, Md.
- LONDON, William J. A. (1910), Engr., The Steam Motors Co., Inc., 10 Broadway and 70 Grenade Terrace, Springfield, Mass.
- LONG, George A. (1914), Genl. Mgr., Gray Telephone Pay Sta. Co., 30-40 Arbor St., and *for mail*, 32 Lorraine St., Hartford, Conn.
- LONG, Howard E. (1916), Ch. Draftsman, Designer, Am. Distr. Steam Co., North Tonawanda, and *for mail*, 38 Erie St., Lockport, N. Y.
- LONG, Jeremiah C. (1905), Ch. Engr., Boston Woven Hose & Rubber Co., Cambridge, and *for mail*, 44 Falmouth Rd., Arlington, Mass.
- LONG, L. Guy (1913), Supvr., The Gibson Co., 433 N. Capitol Ave., and *for mail*, 1906 Commerce Ave., Indianapolis, Ind.
- LONGENECKER, Charles (1892), 150 Nassau St., New York, N. Y.
- LONGINO, James L. (Associate-Member, 1915), Secy., Asst. Genl. Mgr., Ark. Light & Power Co., Pine Bluff, Ark.
- *LONGLEY, Francis B. (1916), Major Aviation Section, S. O. R. C., Engr. Dept., Signal Corps Aviation Sch., and 2244 4th St., San Diego, Cal.
- *LONGSTRETH, Charles (1899), Lieut. Commander U. S. N. R. F., Pres., The U. S. Metallic Packing Co., 427 N. 13th St., Philadelphia, Pa.
- LONGWELL, Henry E. (1901), Genl. Mgr., The Westinghouse Air Spring Co., Smedley Bldg., 3 New Haven, Conn.
- LONN, E. J. (1917), Pres., Genl. Mgr., Great West. Mfg. Co., and 1303 Michigan Ave., La Porte, Ind.
- *LONN, Julius M. (Junior, 1917), 1st Lieut., Ord. Dept., Frankford Arsenal, Philadelphia, Pa.
- LOO, Ping Yok (Junior, 1917), Rep. to China, Allied Machy. Co. of Am., 120 Broadway, and *for mail*, 510 W. 124th St., New York, N. Y.
- LOOMIS, Burdett, Jr. (1904), Mgr. Phosphate Rock Dept., Am. Agri. Chem. Co., Pierce, Fla., and 843 Prospect Ave., Hartford, Conn.
- LOOMIS, Everts G. (1913), Cons. Engr., 229 Mulberry St., and *for mail*, 678 Highland Ave., Newark, N. J.
- LOOSE, Theron L. (1915), Genl. Supt., Hendee Mfg. Co., and 79 Albe-marle Ave., Springfield, Mass.
- LORD, Charles E. (1909), Genl. Pat. Atty., Internatl. Harvester Co., 606 S. Michigan Ave., Chicago, and 515 Central Ave., Wilmette, Ill.
- LORD, Chester B. (1913), Genl. Supt., Wagner Elec. Mfg. Co., 6400 Plymouth Ave., and 5575 Chamberlain Ave., St. Louis, Mo.
- *LORD, Harold S. (Junior, 1913), 1st Lieut., E. R. C., U. S. Engr. Depot, 1419 F. St., N. W., Washington, D. C.
- LORD, Harry C. (Associate-Member, 1915), Engr., John A. Stevens, 8 Merrimack St., Lowell, Mass.
- LORD, Wheeler (1913), Prop., Nicetown Plate Washer Co., 1824-50 W. Juniata St., Philadelphia, and 338 Manheim St., Germantown, Philadelphia, Pa.
- LORD, Zenas N. (1916), Dept. Foreman, Genl. Elec. Co., and *for mail*, 25 Bernice Ave., West Lynn, Mass.

- LORENTZEN, Gustav A. (Junior, 1916), Foreman Mch. Shop, W. F. Schrafft & Sons Corp., 160 Washington St., N., Boston, and *for mail*, 18 Paulina St., West Somerville, Mass.
- LORENZ, Wm. A. (1899), M. E., W. A. Lorenz and E. H. Lorenz, 60 Prospect St., Hartford, Conn.
- LORING, Ernest J. (1912), The Lamson Co., 100 Boylston St., Boston, and *for mail*, 157 Highland Ave., Somerville, Mass.
- LORSCH, Edwin S. (1903), Mem. of Firm, Sussfeld, Lorsch & Co., 90-94 Maiden Lane, and 2 W. 89th St., New York, N. Y.
- LOSEY, John B. (1914), Supt. Amphion Piano Player Co., and *for mail*, 2323 E. Genesee St., Syracuse, N. Y.
- LOSS, Henrik V. (1892), Cons. Engr., North Am. Bldg., and 1510 Walnut St., Philadelphia, Pa.
- LOTHROP, Marcus T. (1908; 1917), Timken Roller Bearing Co., Canton, O.
- LOTZ, Charles W. (1916), Ch. Engr., Coxé Traveling Grate Co., Port Carbon, and *for mail*, 1502 W. Norwegian St., Pottsville, Pa.
- LOUDER, James W. (1914), Supt., Nazareth Cement Co., and *for mail*, 34 N. New St., Nazareth, Pa.
- LOUDON, Andrew C. (1913; 1916), Loco. Superheater Co., 30 Church St., New York, and 2440 Webb Ave., Bronx, N. Y.
- LOUTREL, Cyrus H. (1912; Associate-Member, 1916), Pres., Natl. Lock Washer Co., 65 Johnson St., Newark, and *for mail*, 270 Irving Ave., South Orange, N. J.
- LOVE, Thomas J. (Junior, 1916), Mgr. Indianapolis Office, Dodge Sales & Engrg. Co., 1512 Merchants Bank Bldg., Indianapolis, Ind.
- LOVEJOY, Frank O. (Associate, 1917), Factory Mgr., The Fiberloid Corp., and *for mail*, 81 Berkshire St., Indian Orchard, Mass.
- LOVEJOY, Frank W. (1901; 1914), Genl. Mgr. Mfg. Depts., Eastman Kodak Co., 343 State St., and 200 Seneca Parkway, Rochester, N. Y.
- LOVEJOY, Fred P. (1917), Pres., Lovejoy Tool Co., Inc., Springfield, Vt.
- LOVEKIN, Luther D. (1917), Cons. Engr., N. Y. Shipbuilding Co., of Camden, N. J., Am. Intl. Shipbuilding Corp'n, Broad and Cherry St., Philadelphia, and *for mail*, 6320 Drexel Rd., Overbrook, Philadelphia, Pa.
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- LOVELL, Alfred (1899), Cons. Engr., 619 Harrison Bldg., and 31 Sellers Ave., W. Market St. Sta., Philadelphia, Pa.
- LOVELL, Ralph L. (1915), Ch. Engr., U. S. Shipping Bd., Emergency Fleet Corp'n, Munsey Bldg., and 1371 Columbia Rd., Washington, D. C.
- LOVELY, John E. (Associate-Member, 1916), Vermont Farm Mch. Co., Bellows Falls, Vt.
- LOW, Frederick H. (Junior, 1915), Production Troubles, Ford Motor Co., and *for mail*, 132 Buena Vista W., Highland Park, Mich.
- LOW, Fred. R. (1886; 1912), Editor, Power, McGraw-Hill Publishing Co., 10th Ave., and 36th St., New York, N. Y., and 256 Harrison St., Passaic, N. J.
- LOWE, H. Leland (1903; 1914), Stone & Webster Engrg. Corp., 147 Milk St., Boston, Mass.
- LOWE, Raymond M. (1913), Allied Sugar Mchy. Corp'n, 120 Broadway New York, N. Y.
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- LOWELL, Floyd C. (Associate-Member, 1914), Sales Engr., Henry Prentiss & Co., Inc., 607 D. S. Morgan Bldg., and *for mail*, 71 Norwalk Ave., Buffalo, N. Y.

- LOWELL, George C. (1913), Constr. Engr., The Peoples Gas Light & Coke Co., 1716 People Gas Bldg., Chicago, and *for mail*, 835 Greenwood Ave., Wilmette, Ill.
- LOWER, Nathan M. (1913), M. E., Loco. Stoker Co., Pittsburgh, and 292 N. Balph Ave., Bellevue, Pa.
- LOWMAN, Roy L. (1916), Ordnance Engr., Bethlehem Steel Co., 3rd and Poplar Sts., South Bethlehem, and *for mail*, 408 Wall St., Bethlehem, Pa.
- LOWRY, George A. (Associate, 1897), Cons. Engr., Pablo Beach, Fla.
- LUBBERT, George L. (Associate-Member, 1916), Ch. Operating Engr., Filtration Plant, City Water Dept., Hillen Rd., and *for mail*, Manhattan & Merville Aves., Sta. E., Baltimore, Md.
- LUCAS, Chester L. (Associate, 1916), Publicity Engr., The Industrial Press, 148 Lafayette St., New York, N. Y., and 4 Bailey Ave., East Saugus, Mass.
- LUCAS, Clarence W. (1917), M. E., Faries Mfg. Co., Grand Ave., and *for mail*, 920 W. Main St., Decatur, Ill.
- LUCAS, Henry M. (1904), Lucas Mch. Tool Co., 523 E. 99th St., Cleveland, and *for mail*, 82 Page Ave., East Cleveland, O.
- LUCEY, E. A. (Associate-Member, 1915), Industrial Engr., H. L. Gantt, care of Cheney Bros., and 30 Locust St., South Manchester, Conn.
- LUCEY, William S. (Junior, 1915), M. E., Hammermill Paper Co., and 530 E. 6th St., Erie, Pa.
- LUCHT, Frederick W., Jr. (Junior, 1915), Liberty Motor Tool Design Dept., Packard Motor Car Co., Detroit, Mich.
- LUCK, George A. (1915), Deputy Ch. Mass. Inspec. Dept., Chairman Bd. of Boiler Rules, 3 State House, Boston, and *for mail*, 333 Windsor St., Cambridge, Mass.
- LUCKE, Charles E. (1903; 1908), Prof. M. E., Columbia Univ., and 544 W. 142d St., New York, N. Y.
- LUCKE, Herbert R. (Associate, 1915), V. P. Hughes Tool Co., and 2410 Crawford St., Houston, Tex.
- LUCKENBACH, Owen F. (1913), Supt. Drop Forge Dept., Bethlehem Steel Co., and 137 N. 7th Ave., Bethlehem, Pa.
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- LUDEMANN, John E. (Junior, 1916), Asst. to Engr. of Tests, N. Y. Edison Waterside Stas., 666 First Ave., and *for mail*, 578 E. 163rd St., New York, N. Y.
- LUDLOW, Charles G. (1902), West. Mgr., Crosby Steam Gate & Valve Co., 180 N. Market St., and 743 Montrose Ave., Chicago, Ill.
- LUDY, Llewellyn V. (1905) Prof. Exper., Engrg., Purdue Univ., Lafayette, and 600 Russell St., West Lafayette, Ind.
- *LUEHRMANN, Hugh (Junior, 1915), 2nd Lieut., Signal R. C., U. S. School for Military Aeronautics, Cornell University, Ithaca, N. Y., Sales Engr., The Babcock & Wilcox Co., 404 Traction Bldg., Cincinnati, O.
- LUETSCHER, Oliver P. (Associate-Member, 1916), Ch. Engr., Illinois Zinc Co., and 1617 2nd St., Peru, Ill.
- LUFKIN, Elgood C. (1896), Pres., The Tex. Co., 17 Battery Pl., New York, and Rye, N. Y.
- LUHN, Clarence W. (Junior, 1913), V. P., Engr., The Jos. Honhorst Co., 1016 W. 6th St., Cincinnati, O.
- LUHR, Charles W. (1916), Wks. Mgr. Edison Phonograph Wks., Orange and *for mail*, 54 S. Valley Rd., West Orange, N. J.
- LUHR, Otto (1907), Cons. Engr., Luhr & Friedl, 154 W. Randolph St., and *for mail*, 1305 Newport Ave., Chicago, Ill.
- LUKE, William A. (1915), Mgr. Covington Mills, W. Va., Pulp & Paper Co., Covington, Va.

- LUKENS, William L. (Associate-Member, 1917), Engr. Ordnance Dept., Bethlehem Steel Co., South Bethlehem, and *for mail*, 1611 W. North St., Bethlehem, Pa.
- LUMMIS, Charles W. (Associate, 1907), Asst. Mgr. Gas Producer Dept., Morgan Constr. Co., 15 Belmont St., and *for mail*, 3 St. Elmo Rd., Worcester, Mass.
- LUND, Hugo (1916), Office Engr., Kansas City Rys. Co., 1500 Grand Ave., and *for mail*, 1657 Summit St., Kansas City, Mo.
- LUNDBERG, Charles (Associate, 1917), Western Ed., The Iron Age, 1505 Otis Bldg., Chicago, Ill.
- LUNDEHN, Otto (1914), 200 N. Broadway, Joliet, Ill.
- LUNDGAARD, Ivar (Junior, 1909), Mgr., Industrial Dept., Rochester Ry. & Light Co., 34 Clinton Ave., N., and 208 Culver Rd., Rochester, N. Y.
- LUNDGREN, Charles G. (1910), M. M., Natl. Tube Co., and *for mail*, 1018 Eighth St., Lorain, O.
- LUNDGREN, Frederick G. (Associate-Member, 1916), Eng. Dept., Am. Car & Fdy. Co., Detroit, Mich., and *for mail*, 1411 So. Sixth St., Terre Haute, Ind.
- LUNDGREN, Edwin (Associate-Member, 1916), Ch. Engr. Stoker Dept., Westinghouse Elec & Mfg. Co., East Pittsburgh, Pa.
- LUNDQUIST, Wilhelm E. (1916), Ch. Draftsman Steam and Elec. Div., The Edison Elec. Ill Co. of Boston, 39 Boylston St., Boston, and 58 Lonsdale St., Dorchester, Mass.
- LUNGER, Waldo G. (1901; 1911), Mgr. Union Twist Drill Co., 11 S. Clinton St., Chicago, and 931 Hinman Ave., Evanston, Ill.
- LUNN, John A. (Junior, 1917), Asst. Mass. Inst. Tech., 484 Beacon St., Boston, Mass., and *for mail*, 205 S. Meldrum St., Ft. Collins, Colo.
- LUSTER, Emile J. (1914), V. P., Genl. Mgr., The Luster-Jordan Co., and *for mail*, Curren Terrace, Norristown, Pa.
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- LUTZE, Jay H. (Junior, 1915), Asst. Supt., The Bristol Co., Waterbury, and *for mail*, P. O. Box 62, Union City, Conn.
- LYALL, Wm. L. (1887; 1893), Pres., Treas., Brighton Mills, and "Rose-mawr," Passaic, N. J.
- LYDECKER, Kenneth (Junior, 1911), Engr., Stand. Oil Co., of N. J., 26 Broadway, New York, N. Y., and *for mail*, 496 Summit Ave., Hackensack, N. J.
- LYKE, Henry W. (1915), Genl. Supt., Ames Iron Wks., and *for mail*, 26 W. Oneida St., Oswego, N. Y.
- LYLE, Alexander B. (Junior, 1917), Supt. Stickney & Montague Co., 33 Short St., and *for mail*, 11 Carlisle Apts., Chattanooga, Tenn.
- LYLE, J. Irvine (1906), Treas., Carrier Engrg. Corp., 39 Cortland St., New York, N. Y., and 1200 W. 7th St., Plainfield, N. J.
- *LYMAN, Elihu R. (1904; 1917), Capt. Ord. Dept., U. S. R., Camp Doniphan, Fort Sill, Okla., and *for mail*, 154 Hanover St., Fall River, Mass.
- LYMAN, James (1899), Member of Firm, Sargent & Lundy, 72 W. Adams St., Chicago, and 1221 Forest Ave., Evanston, Ill.
- LYNCH, Albert S. (Associate-Member, 1916), Supvr. of Inspec., Winchester Repeating Arms Co., New Haven, and *for mail*, Rowayton, Conn.
- *LYNCH, Francis J. (Junior, 1914), Aviation Sec., Signal O. R. C., Mech. Supt., Peerless Tube Co., Bloomfield, N. J., and *for mail*, Texas University, Austin, Tex.
- LYNCH, Thomas M. (Associate-Member, 1915), Supt., Barrett, Nephews & Co., 32 Degroot Pl., West New Brighton, S. I., N. Y.
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- *LYNDE, Charles C. (Junior, 1916), 1st Lieut. Engr., U. S. R., Commanding 306th Engrs. Train, Camp Jackson, Columbia, S. C., and *for mail*, R. F. D. 4, St. Elmo Sta., Chattanooga, Tenn.
- LYNE, Lewis F., Jr. (Junior, 1917), Pres. Oil Spec. & Supply Co., 39 Cortlandt St., New York, N. Y., and 2672 Blvd., Jersey City, N. J.
- *LYNN, Thomas H. (Junior, 1913), Capt., Co. H, Pa. Reserve Militia Infantry; Sales Mgr., Lycoming Fdy. & Mch. Co., and 316 Center St., Williamsport, Pa.
- LYON, Clifford W. (1914), Pres., Lyon Concrete Products Co., 2702 W. Railroad Ave., and 1530 Lincoln St., Evanston, Ill.
- LYON, George R. (1917), V. P., Sales Engr., The Power Equip. Co., 712 Second Natl. Bank Bldg., Toledo, O.
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- LYON, Jesse D. (1913), Cons. Engr., 2216 Union Central Bldg., and 3265 Menlo Ave., Cincinnati, O.
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- LYON, Raymond F. (Junior, 1917), 35 N. Grove St., East Orange, N. J.
- LYON, Tracy (1893), 138 W. 12th St., New York, N. Y.
- LYONS, James W. (1902), 720 Erie St., Oak Park, Ill.
- LYONS, Karl M. (Associate-Member, 1917), Asst. Treas., Clarendon Refining Co., Clarendon, and *for mail*, 417 Poplar St., Warren, Pa.
- *LYSTER, T. L. B. (1916), Maj., U. S. A., Air Service, Amer. Exped. Forces in France; Ch. Engr., Hooker Electrochemical Co., and 421 Buffalo Ave., Niagara Falls, N. Y.
- *LYTLE, Charles W. (Junior, 1916), Private, Aviation Sec., Enlisted R. C.; Asst. Prof., in charge Coordination, Ga. Sch. of Tech., and 507 W. Peachtree St., Atlanta, Ga.
- McADAM, John V. (1916), Pres., Revolute Mch. Co., 417 E. 93d St., New York, and Hastings-on-Hudson, N. Y.
- McALLISTER, Addams S. (1913), Cons. Engr., 261 W. 23rd St., and *for mail*, 32 W. 40th St., New York, N. Y.
- McALLISTER, John E. (Associate-Member, 1917), The Elec. Controller & Mfg. Co., Cleveland, O.
- McARDELL, Wesley E. (Junior, 1915), Tchr. Math., and Mch. Shop Practice, Vocational School for Boys, 5th Ave., and 138th St., and *for mail*, 484 W. 120th St., New York, N. Y.
- McARTHUR, Arthur R. (1906), Res. Engr., Am. Sheet & Tin Plate Co., Gary Tin Mill, and *for mail*, 674 Harrison St., Gary, Ind.
- McBANE, Walter W. (1908; 1914), Engr., United Engrg. & Fdy. Co., 2300 Farmers Bank Bldg., and *for mail*, 5715 Woodmont St., Pittsburgh, Pa.
- McBRIDE, F. Reed (Junior, 1915), 507 Broadway Bldg., and *for mail*, 487 E. 23d St., N., Portland, Ore.
- McBRIDE, John J. (Associate-Member, 1917), Ch. Export Inspr. Bu., Am. Car & Fdy. Co., and 234 E. Front St., Berwick, Pa.
- McBRIDE, Thomas C. (1908), Philadelphia Sales Mgr., Worthington Pump & Mchy. Corp., 1516 North Am. Bldg., and 240 W. Cheltenham Ave., Philadelphia, Pa.
- McCABE, John C. (1915), Ch. Boiler Inspr., City of Detroit, 410 City Hall, Detroit, Mich.
- McCALLISTER, Edgar W. (1912), Pat. Lawyer, Oliver Bldg., Pittsburgh, and 216 Beech St., Edgewood, Allegheny Co., Pa.
- McCANN, Frank G. (1915), Ch. Htg. and Vent. Div., Bd. of Education, 500 Park Ave., New York, and 520 Guion Ave., Richmond Hill, N. Y.

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- McCARTE, Alexander J. (Junior, 1912), Supt., J. & W. Lyall Loom & Mch. Wks., and 221 Van Houten Ave., Passaic, N. J.
- McCARTHY, Harry (1909), Ch. Draftsman Kewanee Wks., Walworth Mfg. Co., and *for mail*, 600 E. Prospect St., Kewanee, Ill.
- McCARTY, Dale (Junior, 1916), Mech. Rep., Enterprise Ry. Equip. Co., 1153 The Rookery, Chicago, Ill.
- McCARTY, Frank J. (Junior, 1912), Designing Engr., Rudel-Belnap Mchy. Co., Ltd., 95 McGill St., and 296 Melrose Ave., Notre Dame de Grace, Montreal, Que., Canada.
- McCARTY, Ralph (1917), Secy., Corrugated Bar Co., Mutual Life Bldg., Buffalo, and *for mail*, Hamburg, N. Y.
- McCARTY, Richard J. (1901), V. P., K. C. So. Ry. Co., Kansas City So. Bldg., and *for mail*, 3820 Warwick Blvd., Kansas City, Mo.
- McCAULEY, Louis G. (1914), Wks. Mgr., The Fairbanks Co., and *for mail*, 6 Boulevard Terrace, Binghamton, N. Y.
- McCLELLAN, William (1905), Paine, McClellan & Campion, 25 Church St., New York, N. Y., and Wharton Sch. Finance & Commerce, Univ. of Pa., Philadelphia, Pa.
- *McCLELLAND, Cory C. (Junior, 1913), Co. E, 306th Engrs., Camp Jackson, Columbia, S. C., Power Sales Engr., Chattanooga Ry. & Light Co., 710 Market St., Chattanooga, Tenn., and 314 W. Lincoln St., Findlay, O.
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- McCLURE, O. D. (1907), Ch. M. E., Cleveland-Cliffs Iron Co., Ishpeming, Mich.
- McCOLL, J. R. (1903), Mem. of Firm, Ammerman & McColl, 2348 Penobscot Bldg., Dean Engrg. Dept., Univ. of Detroit, and 195 Chicago Blvd., Detroit, Mich.
- McCONNELL, Malcolm F. (1913), Supt. Mingo Steel Wks. and Furnaces, Carnegie Steel Co., and *for mail*, 1442 W. Market St., Steubenville, O.
- McCONNELL, Robert S. (1913), Supt. Drawing Rm., The Baldwin Loco. Wks., 500 N. Broad St., and 3328 N. 16th St., Philadelphia, Pa.
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- McCOY, Francis N. (Associate-Member, 1916), M. M., The Hind & Harrison Plush Co., Clark Mills, N. Y.
- McCOY, William (Junior, 1903), M. E., Am. Encaustic Tiling Co., and *for mail*, 334 Adair Ave., Zanesville, O.
- McCRACKEN, William C. (1915), Supt. Bldgs. and Grounds, Ohio State Univ., and 8 W. Woodruff Ave., Columbus, O.
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- McCULLOCH, John A. (1912), Engr. Galvanizing Plant, Natl. Wks., Natl. Tube Co., and *for mail*, Juniper and 2d Sts., Versailles Sta., McKeesport, Pa.
- McCULLOCH, Richard (1913), Pres., United Rys. Co., 3869 Park Ave., St. Louis, Mo.
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- McCURDY, Alexander D. (Associate-Member, 1916), 3516 N. 22nd St., Philadelphia, Pa.
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- McDERMOTT, G. Roland (1917), Steam Engr., Ill. Steel Co., South Chicago, and 7408 Coles Ave., Chicago, Ill.
- McDEVITT, Frank J. (Junior, 1906), V. P., Baumes-McDevitt Mchy. Co., Inc., Ry. Exch. Bldg., and 4503 McPherson Ave., St. Louis, Mo.
- McDEVITT, John N. (Junior, 1917), V. P., Asst. Treas., Lincoln Mch. Co., Main and Carver St., Pawtucket, and *for mail*, 650 Hope St., Providence, R. I.
- McDEVITT, Wm. J. (Associate-Member, 1917), Foreman, Fayette R. Plumb, Inc., Bridesburg, and 4623 Pennsylvania St., Frankford, Pa.
- McDEWELL, Horatio S. (Junior, 1908), Engr. of Tests, in charge Aeronautical Eng. Testing Lab., Navy Yard, and *for mail*, 609 Upshur St., Washington, D. C.
- McDONALD, Albert (1917), Production Supvr., Essex Rubber Co., Inc., and 912 W. State St., Trenton, N. J.
- McDOUGALL, Andrew H. (1908), Ch. Engr., Whiting Fdy. Equip. Co., and *for mail*, 119 155th St., Harvey, Ill.
- McDOWELL, Edward C. (1913), M. E., Natl. Steel Car Co., Ltd., and *for mail*, 49 Homewood Ave., Hamilton, Ont., Canada.
- McELROY, Joseph A. (1895), Pres., Empire Constr. Co., and *for mail*, Elmcrest, Norwalk, Conn.
- McELROY, Joseph W. (Associate, 1917), Commer. Sales Engr., Westinghouse Elec. & Mfg. Co., 2133 Conway Bldg., Chicago, and *for mail*, 143 N. Lincoln St., Hinsdale, Ill.
- McEVOY, Walter (Junior, 1914), 161 Water St., New York, N. Y., and *for mail*, 66 N. Grove St., East Orange, N. J.
- McEWEN, J. H. (1882), Pres., Genl. Mgr., McEwen Mfg. Co., Madison and Admiral Sts., Tulsa, Okla; Pres., Genl. Mgr., McEwen Bros., Wells-ville, N. Y.
- McFARLAN, Edward (Junior, 1908), Asst. to Pres., The Brazil Cos., 149 Broadway, New York, and *for mail*, 360 Jefferson Ave., Brooklyn, N. Y.
- McFARLAND, A. R. (1902), Wks. Mgr., Solvay Process Co., and 609 Willis Ave., Syracuse, N. Y.
- McFARLAND, Arthur (Associate-Member, 1917), Master, U. S. Engr. Dept., U. S. Engr. Office, and 2121 Fifth St., Port Arthur, Tex.
- McFARLAND, Edward H. (1917), Steam Turbine Inspr., Genl. Elec. Co., Schenectady, N. Y.
- McFARLAND, Walter M. (1883), Vice-President, 1905-1907; Mgr. Marine Dept., Babcock & Wilcox Co., 85 Liberty St., New York, N. Y.
- McFARLANE, George W. (1913), Member of Firm and Part Owner, G. W. McFarlane Engrg. Co., Box 580, Paris, Ont., Canada.
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- McGREGOR, Hugh R. (1903), Mech. Supt., Brown & Sharpe Mfg. Co., and *for mail*, 75 Holden St., Providence, R. I.
- McGREGOR, John A. (1902), Pres., Union Twist Drill Co., and *for mail*, 1328 Main St., Athol, Mass.
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- McINTYRE, James K. (1914), Testing Engr., A. S. Cameron Steam Pump Wks., Phillipsburg, N. J., and *for mail*, 715 Pardee St., Easton, Pa.
- McINTYRE, Melvil B., (1916), Engr., The Arnold Co., 105 S. La Salle St., and *for mail*, 7215 Harvard Ave., Chicago, Ill.
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- McKAIG, Alvin W. (Junior, 1917), Commer. Engr., Sperry Gyroscope Co., Manhattan Bridge Plaza, Brooklyn, and *for mail*, 174 W. 86th St., New York, N. Y.
- McKAIG, W. Wallace (Associate, 1914), Genl. Mgr., McKaig Mch. Fdy. & Supply Wks., Cumberland, Md.
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- McKEE, Arthur G. (1907), Pres., Arthur G. McKee & Co., 1303 Rockefeller Bldg., and 1654 E. 115th St., Cleveland, O.
- McKEE, Joseph J. (Associate, 1892), Mgr., C. A. Dunham Co., 5013 Metro. Life Bldg., and The Riviera, 157th St. and Riverside Drive., New York, N. Y.
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- McKENNEY, Paul K. (1916), Treas., Gen. Mgr., Texas Cotton Mill Co., and 535 N. Church St., McKinney, Tex.
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- McKINNEY, Edward B., Sr., (1907), Cons. and Constr. Engr., 1323 Octavia St., New Orleans, La.
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- McLEOD, Adolphus A. (1910), Engr., Supt., Fla. Phosphate Min. Corp., and *for mail*, Bartow, Fla.
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- McMILLAN, William L. (Associate-Member, 1916), Cons. Ordnance Engr., Ch. Inspr., Am. Can Co., 120 Broadway, New York, N. Y., Newton Mfg. Co., and *for mail*, 400 E. Merrimack St., Lowell, Mass.
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- McPHERSON, Charles J. (Associate-Member, 1914), M. E., The J. G. Brill Co., and The Lares Apts., 61st and Ludlow Sts., Philadelphia, Pa.
- McQUILLAN, John (Associate-Member, 1917), M. E., Arms Plant, Remington Arms Union Metallic Cartridge Co., Bridgeport, and *for mail*, 8 Homestead Ave., Black Rock, Bridgeport, Conn.
- McWEENY, Laurence R. (Junior, 1909), Factory Accountant, Russell, Burdsall & Ward Bolt & Nut Co., and *for mail*, 29 Washington St., Port Chester, N. Y.
- MacARTHUR, Clarence P. (Associate-Member, 1915), Genl. Foreman, Wagner Elec. Mfg. Co., St. Louis, Mo.
- MacARTHUR, John E. (1913), Wks. Mgr., Russell Motor Car Co., Ltd., 276 King St., W., and 147 Grenadier Rd., Toronto, Ont., Canada.
- MacARTHUR, Robert, Jr. (Associate, 1904), M. M., Sargent & Co., and *for mail*, 226 McKinley Ave., New Haven, Conn.

- MacBRIAR, Wallace N. (1916), Ch. Engr., Carnation Milk Products Co., 1060 Stuart Bldg., and 3247 Cascadia Ave., Seattle, Wash.
- MacCART, Raymond D. (Junior, 1915), Draftsman, Designer, Am. Steel & Wire Co., and *for mail*, 824 W. State St., Trenton, N. J.
- *MacDONALD, Howard D. (1916), 1st Lieut., Inf., U. S. A., 131st U. S. Inf., Camp Logan, Texas, and 5456 Greenwood Ave., Chicago, Ill.
- MacDONALD, Karl (Associate-Member, 1915), Ch. Draftsman, The Terry Steam Turbine Co., and *for mail*, 181 Westland St., Hartford, Conn.
- MacDONALD, Malcolm S. (1913), C. A. MacDonald Ltd., 542 Point Rd., Durban, South Africa.
- MacDOWELL, Francis M. (Junior, 1914), M. E., Power Spec. Co., 111 Broadway, New York, and 7 Maple Ct., Brooklyn, N. Y.
- MacEWAN, Thomas S. (1915; Associate-Member, 1917), Departmental Sales Head, S. K. F. Ball Bearing Co., 330 New Park Ave., and *for mail*, 421 High St., West Hoboken, N. J.
- MacFARLAND, D. H. (Associate, 1916), Asst. to Pres., The Atlas Portland Cement Co., 30 Broad St., New York, N. Y., and Cranford, N. J.
- MacFARLAND, Helon B. (1907), Engr. of Tests, Atchison, Topeka & Santa Fe Ry. System, 914 Ry. Exch., Chicago, Ill.
- *MacGILL, Charles F. (1896), O. D., O. R. C.; Wks. Engr., Bullard Engrg. Wks., Inc., and *for mail*, 1175 Park Ave., Bridgeport, Conn.
- MacGREGOR, Wallace F. (1901; 1914), Supt. Exper. Dept., J. I. Case Threshing Mch. Co., and 422 16th St., Racine, Wis.
- MacGREGOR, Walter (1906), Genl. Mgr. Plant 4, Timken Detroit Axle Co., and *for mail*, 124 12th St., N. W., Canton, O.
- MacINTOSH, Walter L. (1915), Ch. Draftsman Consld. Gas Co. of N. Y., 130 E. 15th St., New York, and 24 Wellington Ct., Brooklyn, N. Y.
- MacKAY, Simon (1917), Wks. Mgr., The L. S. Starrett Co., and *for mail*, 387 School St., Athol, Mass.
- MacKENZIE, Donald (Junior, 1902), Asst. Mgr. Mech. and Constr. Depts., Union Stock Yards, Swift & Co., and 9323 Winchester Ave., Chicago, Ill.
- MacKINNON, John A. (Associate-Member, 1915), Forge Shops Supt., Curtis & Co. Mfg. Co., Hamburger and Kienlen Aves, and *for mail*, 1363A Semple Ave., St. Louis, Mo.
- MacLAREN, Malcolm N. (1899), Mgr. N. Y. Office, Nordberg Mfg. Co., 120 Broadway, and 533 W. 112th St., New York, N. Y.
- MacLAUCHLIN, James H. (1907), Genl. Mgr., Surety Engrg. Co., Inc., 30 Church St., New York, and *for mail*, 456 Richmond Terrace, New Brighton, N. Y.
- MacLEAN, Archibald, Jr. (Junior, 1917), Marine Engrg. Dept. Mch. Wks., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 830 Herberton Ave., Pittsburgh, Pa.
- MacLEOD, Daniel T. (1901; 1907), V. P., Elkhorn Piney Coal Mining Co., First Natl. Bank Bldg., and *for mail*, Cor. Folsom and Hackett Aves., and 703 Sheppard Ave., Milwaukee, Wis.
- MacLEOD, Frank N. (1912), Pres. and Mgr., The Abrasive Mch. Tool Co., 529 Industrial Trust Co. Bldg., and *for mail*, 290 Irving Ave., Providence, R. I.
- MacLEOD, Norman Mac C. (Associate, 1916), Appraiser, Am. Appraisal Co. of Milwaukee, and New York, and *for mail*, 334 E. Chelten Ave., Germantown, Philadelphia, Pa.
- MacMARTIN, James M. (1914), Ch. Engr., The Del. & Hudson Co., The Plaza, and Hampton Hotel, Albany, N. Y.
- *MacMASTER, Ronald K. (1913; Associate-Member, 1914), 1st Lieut. Ord. Dept., U. S. R., Gun Div., Production Sec., Washington, D. C., and *for mail*, 454 Jefferson Ave., Elizabeth, N. J.
- MacMURRAY, James T. (1904), Genl. Mgr., Niles-Bement-Pond Co., Plainfield, N. J.

- MacNABB, Clifton E. (Junior, 1917), Designing Draftsman, Wright-Martin Aircraft Corp., New Brunswick, and *for mail*, 134 S. 10th St. Newark, N. J.
- MacNABB, Arthur W. (Junior, 1914), Inspr., Emergency Fleet Corp'n., and *for mail*, William Bros., Boiler and Mfg. Co., Minneapolis, Minn.
- MacNAUGHTON, Edgar (Junior, 1915), Instr. M. E., Tufts College, and *for mail*, 88 Quincy St., Tufts College, Mass.
- MAAK, Charles (Associate-Member, 1916), Ch. Draftsman, Quigley Furnace Specialties Co., 26 Cortlandt St., New York, N. Y., and *for mail*, Keasbey, N. J.
- MAAS, Elov F. (1916), Ch. Draftsman Mchv. Div., Navy Yard, Puget Sound, and Hotel Wolfram, Bremerton, Wash.
- MABEY, Arthur R. (1916), Foreman Thermometer Dept., Bristol Co., and *for mail*, 22 Farnham Ave., Waterbury, Conn.
- MACALISTER, Robert N. (1913), M. E., Robt. W. Hunt & Co., 2200 Ins. Exch. Bldg., and *for mail*, 4422 N. Lincoln St., Chicago, Ill.
- MACBETH, George T. (1915), Ch. Gas Engr., Westchester Ltg. Co., 1st Ave. and 1st St., and 270 S. 3rd Ave., Mt. Vernon, N. Y.
- MACDONALD, Duncan H. (1903), Wks. Mgr., Wickes Bros., and 651 S. Weadock Ave., Saginaw, Mich.
- MACDONALD, George M. (1912), Ballistic Engr., Remington Arms Union Metallic Cartridge Co., and *for mail*, The University Club, Bridgeport, Conn.
- MACDONALD, Harry P. (1914), V. P., The Snead & Co. Iron Wks., Foot of Pine St., Jersey City, and 15 Highland Ave., Montclair, N. J.
- MACDONALD, J. W. Franklin (1915), Managing Engr., Merrill Process Co., 84 State St., Boston, and *for mail*, 47 Hobson St., Brighton, Mass.
- MACDONALD, James V. (1895; 1917), Mem. of Firm, Ranald H. Macdonald & Co., 29 W. 34th St., and 170 W. 74th St., New York, N. Y.
- MACDOUGALL, George D. (1917), Ch. Engr., Dominion Iron & Steel Co., and *for mail*, 98 Park St., Sydney, N. S., Canada.
- MACFARLANE, James (1908), Supt. of Dredging, Paraiso, C. Z.
- MACHOLD, Charles E. (1901), Partner, Machold & Riddell, 1020 Stephen Girard Bldg., Philadelphia, and 6820 Quincy St., Germantown, Philadelphia, Pa.
- MACINTIRE, Horace J. (1907; 1913), Asst. Prof. M. E., Univ. of Wash., Seattle, Wash.
- MACK, George J. (Junior, 1909), Mgr., Mack Bros. Steam Boiler Wks., 405 Marcellus St., and 1621 W. Omondaga St., Syracuse, N. Y.
- MACK, John G. D. (1890), State Ch. Engr., State of Wis., Capitol, and *for mail*, 110 E. Johnson St., Madison, Wis.
- MACKAY, Alfred (1916), Ch. Engr., John Lang Paper Co., 24th and Vine Sts., and *for mail*, Real Estate Trust Bldg., Philadelphia, Pa.
- MACKENZIE, Edmund (1909), Supvg. Engr. Constr. Work with R. Blakstad, Karl Johnsgade 41/111, Kristiania, and *for mail*, Jysseal, Hardanger, Norway.
- MACKENZIE, G. Earl (Junior, 1915), Winchester Repeating Arms Co., and *for mail*, 337 Whalley Ave., New Haven, Conn.
- MACKENZIE, Kenneth G. (Associate, 1917), Cons. Chemist, The Texas Co., 17 Battery Pl., New York, N. Y.
- MACKENZIE, Morell (Junior, 1912), Industrial Engr., Sayles Finishing Plants, Phillipsdale, and *for mail*, 149 Irving Ave., Providence, R. I.
- MACKENZIE, William P. (1907), Pres., W. P. Mackenzie Co., 1502 Pennsylvania Bldg., Philadelphia, and Clapier St., Germantown, Philadelphia, Pa.
- MACKIE, Daniel M. (1914), Genl. Foreman, Chain Belt Co., 57 Park St., and *for mail*, 176 32d St., Milwaukee, Wis.
- MACKIE, Edwin M. (1915), M. E., Pneumelec. Mch. Co., 581 S. Clinton St., and *for mail*, 1102 Midland Ave., Syracuse, N. Y.

- MACKINTOSH, Edward E. (Junior, 1916), Drafting, Am. Brass Co., and *for mail*, 16 Hotchkiss Pl., Torrington, Conn.
- MACKINTOSH, Fredrick L. (1912), Winchester Repeating Arms Co., and *for mail*, 410 Dixwell Ave., New Haven, Conn.
- MACKLEM, George A. (1917), Mgr. of Sales, Beloit Iron Wks., and *for mail*, 835 Park Ave., Beloit, Wis.
- *MACLEAN, Malcolm R. (Junior, 1913), Capt. Inf., O. R. C., U. S. A., Fort Niagara, N. Y., and *for mail*, Univ. Club, Pittsburgh, Pa.
- MACKLIND, William R. (1914), Mgr. Engrg. and Constr. Dept., The Sherwin-Williams Paint Co., Pullman Sta., and *for mail*, 1149 Hyde Park Blvd., Chicago, Ill.
- MACNOE, George (Junior, 1914), H. W. Johns-Manville Co., New York, and 42 Sidney Pl., Brooklyn, N. Y.
- MACON, William W. (1903; Associate, 1911), Engrg. Editor, The Iron Age., 239 W. 39th St., New York, and 711 Ave. J., Brooklyn, N. Y.
- MACY, Nelson (1915), Pres., Corlies Macy & Co., 441 Pearl St., New York, N. Y., and Hope Farm, Greenwich, Conn.
- MACY, Ralph G. (Associate-Member, 1916), M. E., Air Reduction Co., 120 Broadway, New York, N. Y., and *for mail*, 33 Seaview Ave., East Norwalk, Conn.
- MADDOCKS, Wm. H. (1891), Asst. Supt. Mchy. and Equip., M., K. & T. Ry., and *for mail*, 2311 W. Crawford Ave., Parsons, Kan.
- MAGDEBURGER, Edward C. (Associate-Member, 1917), Designing Engr., Busch-Sulzer Bros.-Diesel Eng. Co., Second and Utah Sts., and *for mail*, 3435 Pestalozzi St., St. Louis, Mo.
- *MAGEE, Christopher (Junior, 1916), Co. M., 332d Inf., Camp Sherman, Chillicothe, O., and *for mail*, 1107 Berger Bldg., Pittsburgh, Pa.
- MAGEE, John F. (Junior, 1916), Supt. Mill No. 4, Alpha Portland Cement Co., Martins Creek, and R. F. D. 1, Easton, Pa.
- MAGIE, William E. (1913), 285 Ogden Ave., Milwaukee, Wis.
- MAGILL, Franklin R. (Junior, 1917), Sales Engr., Poole Engrg. & Mch. Co., Baltimore, Md.
- MAGRUDER, Wm. T. (1884), Prof. M. E., The Ohio State Univ., and 342 W. 9th Ave., Columbus, O.
- MAGUIRE, Jeremiah D. (1911), Pres., Maguire Rubber Co., 30 Church St., New York, and Sands Point, Nassau Co., N. Y.
- MAGUIRE, M. T. (Associate, 1910), Supt. Power, Bethlehem Steel Co., South Bethlehem, and 1648 Hanover Blvd., Bethlehem, Pa.
- MAHER, Eugene E. (Associate-Member, 1914), Engrg., Contg., 1466 Conway Bldg., and 1511 E. 54th St., Chicago, Ill.
- MAHL, Frederick W. (1892; 1910), Dir. of Purchases, So. Pac. Co., 165 Broadway, New York, and *for mail*, 20 Primrose Ave., Mt. Vernon, N. Y.
- MAHONEY, John A. (Junior, 1913), Leading Draftsman Engine Div., Elec. Boat Co., Groton, and *for mail*, 25 Avery Court, New London, Conn.
- MAHONEY, John C. (Associate-Member, 1917), Dist. Turbine Inspr., Genl. Elec. Co., Atlanta, Ga., and *for mail*, 1459 Milner Crescent, Birmingham, Ala.
- MAHONEY, John F. (Junior, 1915), Draftsman, I. R. T. Co., 621 Broadway, New York, and *for mail*, 983 St. Johns Pl., Brooklyn, N. Y.
- MAHONEY, Joseph N. (1917), Engr., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 1014 Coal St., Wilkesburg, Pa.
- MAHY, Arthur H. (Associate Member, 1916), Ch. Engr., Supt. of Wks., North Adams Gas & Elec. Light Co., Brown St., and *for mail*, 99 North St., North Adams, Mass.
- MAIER, Fred (Associate-Member, 1916), Prop., Mech. Pattern Wks., 1107 Stanford Ave., and 815 E. 10th St., Los Angeles, Cal.

- MAIN, Charles T. (1885), Life Member; Manager, 1914-1917; President, 1918; 201 Devonshire St., Boston, and 14 Herrick St., Winchester, Mass.
- MAIN, C. Curtiss (Junior, 1917), Asst. Eastern Mgr., Curtis & Co. Mfg. Co., 30 Church St., New York, Signal Corps, U. S. A., Piermont, N. Y.
- MAIR-RUMLEY, John G. (1892), Life Member; care of G. P. Mair, 32 Easton Rise, Ealing, London, England.
- MAJOR, C. C. (1902; 1912), Assoc. Prof. M. E., Ia. State College, and for mail, 802 Sixth St., Ames, Ia.
- MAKEPEACE, Charles R. (1915), Life Member; Arch., Mill Engr., C. R. Makepeace & Co., Butler Exch. Bldg., and 275 Wayland Ave., and for mail, Box 1146, Providence, R. I.
- MALCOLMSON, Wm. J. (Junior, 1917), Supvr., Mfg. Engr., West. Elec. Co., Hawthorne Sta., Chicago, and for mail, 1932 S. 50th Ave., Cicero, Ill.
- MALLET, Anatole (Honorary, 1912), 30 Ave. Trudaine, Paris, and 57 Rue de France, Nice, Alpes-Maritimes, France.
- *MALLORY, Charles K. (1907), Lieut., U. S. Navy, Bureau Steam Engrg., Navy Dept., Washington, D. C.
- MALM, Axel C. V. (Associate-Member, 1916), Pres., Genl. Mgr., The Malm Mch. Co., 24-26 N. Canal St., and 22 Bellevue Ave., Dayton, O.
- MALONE, George B. (Associate-Member, 1917), Foreman Remington Wks., Remington Arms Union Metallic Cartridge Co., and for mail, 1166 E. Main St., Bridgeport, Conn.
- MALONE, John A. (Junior, 1915), Asst. Sales Mgr. Allied Constr. Mchy. Corp., 2 Rue des Italiens, Paris, France, and 332 W. 28th St., New York, N. Y.
- MALONE, Josh G. (Junior, 1917), M. E., The Roessler & Hasslacher Chem. Co., Perth Amboy, N. J.
- MALONEY, Charles A. (Junior, 1917), Efficiency Engr., United Gas Improvement Co., and for mail, 2116 Venango St., Philadelphia, Pa.
- MALONEY, Geo. B. (Associate-Member, 1917), Ch. Engr., Asso. Pipe Line Co., 619 Sharon Bldg., San Francisco, and San Anselmo, Cal.
- MALVERN, Lewis K. (1894; 1903), M. E., Elgin Natl. Watch Co., and for mail, 12 Warwick Pl., Elgin, Ill.
- MANCHESTER, Henry C. (1915), Supt. M. P. and Equip., D., L. & W. R. R. Co., and 1006 Lincoln St., Scranton, Pa.
- MANDEVILLE, Theodore C. (Junior, 1917), Mech. and Constr. Engrg., Sayles Finishing Plants, Saylesville, and for mail, 43 Fales St., Central Falls, R. I.
- MANIERRE, George (1917), Prop., Manierre Engrg. & Mchy. Co., 622-23 Colby Abbot Bldg., Milwaukee, Wis.
- MANKER, Forrest W. (Junior, 1915), Am. Incandescent Heat Co., 10 Post Office Sq., Boston, Mass.
- MANKIN, Clarence E. (Junior, 1916), Service Dept., The Studebaker Corp. of Am., Piquette and Brush Sts., and 1503 Second Ave., Detroit, Mich.
- MANLEY, Sumner M. (1907; 1917), M. E., The Proctor & Gamble Co., Ivorydale, and for mail, Ivy Ave., Glendale, O.
- MANLY, Charles M. (1916), V. P., Ch. Engr., Manly Drive Co., 250 W. 54th St., New York; Cons. Engr., Curtiss Aeroplane Co., and for mail, 55 Colvin St., Buffalo, N. Y.
- *MANN, Carl P. (Junior, 1916), Candidate, Coast Artillery Officers' Reserve Corps, Fortress Monroe, Va., and for mail, Beverly, N. J.
- MANN, Harvey B. (Junior, 1911), Engr., Dravo-Doyle Co., 1003 Diamond Bank Bldg., and 6532 Dalzell Pl., Pittsburgh, Pa.
- MANN, Howard L. (Associate-Member, 1914), Pres., Mann Corp., and 648 S. Evergreen Ave., Kankakee, Ill.

- MANNING, Capt. Charles H. (1884; Honorary, 1913), Manager, 1892-1895; Vice-President, 1895-1897; Ch. Engr., U. S. N. Ret., Charles H. & Charles B. Manning, 1004 Amoskeag Bank Bldg., and 1838 Elm St., Manchester, N. H.
- MANNING, James H. (1917), Supt. M. P., The Delaware & Hudson Co., Watervliet, and *for mail*, 762 Madison Ave., Albany, N. Y.
- MANSFIELD, Albert K. (1887), 1868 Columbia Rd., Apt. 503, Washington, D. C.
- MANSFIELD, Clifford B. (Junior, 1914), C. E., The Palmetto Phosphate Co., Tiger Bay, Polk Co., Fla.
- *MANSFIELD, Julian B. (1914), Capt., Inf. & Art. R.; V. P., Genl. Mgr., J. E. Bolles Iron & Wire Wks., Inc., 288 Milwaukee Ave., E., and 948 Cass Ave., Detroit, Mich.
- MANTIUS, Otto (1915), Cons. Engr., Woolworth Bldg., New York, N. Y.
- MANUEL, Charles J. (Junior, 1916), Ch. Draftsman Shell Forging Dept., Am. Can Co., Edgewater, N. J., and *for mail*, 89 W. 103rd St., New York, N. Y.
- MANZ, Louis C. (1913), M. E., Midvale Steel Co., Nicetown, and *for mail*, 1500 W. Allegheny Ave., Philadelphia, Pa.
- MARBLE, Edwin H. (1915), Pres., Curtis & Marble Mch. Co., and *for mail*, 42 Tirrell St., Worcester, Mass.
- MARBLE, Ernest G. (1909), Genl. Sales and Wks. Mgr., Am. Engrg. Co., Philadelphia, and *for mail*, 52 E. Sedgwick St., Germantown, Philadelphia, Pa.
- MARBURG, Louis C. (1909), Secy., Treas., Marburg Bros., Inc., 90 West St., New York, N. Y., and 24 Franklin Pl., Montclair, N. J.
- MARDAGA, Louis, (Junior, 1913), Sales Engr., Mickle-Milnor Engrg. Co., 1315 Stephen Girard Bldg., and *for mail*, 145 N. 52nd St., Philadelphia, Pa.
- MARK, Perry C. (Associate-Member, 1913), Genl. Supt., Mark Mfg. Co., and *for mail*, 100 Glendale Ave., Zanesville, O.
- MARKEY, Harold I. (Junior, 1914), Spec. Engrg. Dept., Firestone Tire & Rubber Co., and *for mail*, 160 Hyde Ave., Akron, O.
- MARKEY, Harry S. (1912), City Elec. Co., 320 Beach St., San Francisco, Cal.
- MARKS, Harry J. (1907), Dist. Sales Mgr., Bound Brook Eng. & Mfg. Co., 111 Broadway, New York, and *for mail*, 86 Palmer Ave., Mamaronick, N. Y.
- MARKS, James H. (Associate-Member, 1914), Supt. Maintenance and Constr. Div., Packard Motor Car Co., and *for mail*, 731 Field Ave., Detroit, Mich.
- MARKS, Lionel S. (1897; 1904), Prof., Mass. Inst. of Tech., Prof., Harvard Univ., and 192 Brattle St., Cambridge, Mass.
- MARLOW, Frank W. (Associate-Member, 1917), Ch. Engr., Armour & Co. U. S. Yards, and *for mail*, 111 E. 58th St., Chicago, Ill.
- MAROT, Edward H. (1903; Associate, 1917), Sales Engr., Hyatt Roller Bearing Co., Newark, N. J., and *for mail*, 13704 Fernwood Ave., East Cleveland, O.
- MARQUIS, Franklin W. (1908; 1914), Prof. Steam Engrg., Ohio State Univ., and 412 W. 8th Ave., Columbus, O.
- MARR, Geo. H. (1891; 1905), M. E., Hollingsworth & Whitney Co., and *for mail*, 94 Silver St., Waterville, Me.
- MARROW, George P. (1916), Asst. Engr., Consld. Gas, Elec. Light & Power Co., 1905 Lexington Bldg., Baltimore, and Ruxton, Md.
- *MARSH, Francis G. (Junior, 1916), Lieut., U. S. N., Submarine Base, New London, Conn.
- MARSH, Thomas A. (1905; 1912), Ch. Engr., Green Engrg. Co., East Chicago, Ind., and *for mail*, 8104 Bennett Ave., Chicago, Ill.

- MARSHALL, Ernest (1917), E. E., Great No. Ry., 816 Great No. Bldg., St. Paul, Minn.
- MARSHALL, Ernest W. (1904), Pat. Lawyer, Marshall & Dearborn, 160 Broadway, New York, and 1195 Warburton Ave., Yonkers, N. Y.
- *MARSHALL, Harold F. (Junior, 1917), 1st Lieut., Aviation Sec., Signal O. R. C., U. S. A., and *for mail*, 16 Arlington Rd., Cranford, N. J.
- MARSHALL, Kenneth I. (Junior, 1916), Field Engr., The Western Precipitation Co., 1016 W. 9th St., Los Angeles, Cal., and *for mail*, Tsukiji Seiyoken Hotel, Tokyo, Japan.
- MARSHALL, Norman (1910), 107 Chestnut St., West Newton, Mass.
- MARSHALL, Stewart M. (1907; 1910), Cons. Engr., Perin & Marshall, 2 Rector St., and *for mail*, 14 E. 8th St., New York, N. Y.
- MARSHALL, Waldo H. (1893), J. P. Morgan & Co., 23 Wall St., New York, N. Y.
- MARSHALL, William A. (Junior, 1916, Engrg. Dept., Am. Sheet & Tin Plate Co., and *for mail*, 932 Mellon St., Pittsburgh, Pa.
- *MARSHALL, William C. (1901: 1909), Capt. Ord. Dept., U. S. R.; Winchester Repeating Arms Co., New Haven, and *for mail*, 89 W. River St., Milford, Conn.
- MARSHALL, William E. (Junior, 1914), Engr., Marshall Bros. & Griffin, Inc., 103 N. Marshall St., and *for mail*, 6254 Adison St., Philadelphia, Pa.
- MARTELL, Louis H. (1906), Pres., The Martell Packings Co., Elyria, O.
- MARTENIS, John V. (1913), Asst. Prof. M. E., Univ. of Minn., and 215 Harvard St., S. E., Minneapolis, Minn.
- MARTENS, Ferdinand (1885), 1809 Euclid Ave., Berkeley, Cal.
- MARTIN, Clifford A. (Associate-Member, 1916), Ch. Draftsman, J. H. Williams & Co., 9 Richards St., and 310 Windsor Pl., Brooklyn, N. Y.
- MARTIN, D. Stanley (Junior, 1917), Asst. Supt. of Services, Citizens Gas Co., Pratt St. and Canal, and *for mail*, 4224 Sunset Ave., Indianapolis, Ind.
- *MARTIN, Edward (Junior, 1917), Aviation, U. S. N., 2 Gray St., Poughkeepsie, N. Y.
- MARTIN, Edward C. (Associate-Member, 1915), M. E., Emery Candle Co., Ivorydale, and *for mail*, 3129 Harvard Ave., Cincinnati, O.
- *MARTIN, Elmer C. (Junior, 1917), 110th Engineers, Camp Doniphan, Ft. Sill, Okla.
- MARTIN, Frank M. (1912), Saltville, Va.
- MARTIN, Fredrick S. (1905), Supt. Industrial Motor Dept., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 309 Hutchinson Ave., Swissvale Sta., Pittsburgh, Pa.
- MARTIN, George R. (1917), Asst. Genl. Mgr., Am. Steam Gauge & Valve Mfg. Co., 220 Camden St., Boston, and *for mail*, 13 Liberty St., Peabody, Mass.
- MARTIN, George W. (1911), Pres., The N. Y. Serv. Co., 100 Broadway, New York, N. Y., and 314 Prospect St., Ridgewood, N. J.
- MARTIN, H. A. (Associate, 1908), Factory Engr., Bijur Motor Lighting Co., Hoboken, N. J., and *for mail*, 22nd St. and 6th Ave., Whitestone, L. I.
- MARTIN, Henry, Jr. (Associate, 1917), Asst. Prof. M. E., Polytechnic Inst. of Brooklyn, 85 Livingston St., and 437 80th St., Brooklyn, N. Y.
- *MARTIN, Kingslev G. (Junior, 1913), Capt., O. R. C., Motor Transport Service; Am. Steel Export Co., Woolworth Bldg., and *for mail*, 414 W. 120th St., New York, N. Y.
- MARTIN, Louis A., Jr. (1912), Prof. Mech., Dean, Stevens Inst. of Tech., and *for mail*, 911 Castle Point Terrace, Hoboken, N. J.
- MARTIN, Wallace H. (Junior, 1913), Asst. Prof. M. E., Pennsylvania State College, and *for mail*, 310 Burrows St., State College, Pa.

- MARTINTO, Pedro (Associate, 1901), Apartado 146, Lima, Peru, S. A.
- MARTUS, Martin L. (1912), Secv., Factory Mgr., The Waterbury Battery Co., 1036 S. Main St., and *for mail*, 101 Coniston Ave., Waterbury, Conn.
- MARVIN, Howard (Associate-Member, 1917), Genl. Supt., Ajax-Hocking Coal Co., Garrett, and *for mail*, 501 E. Cedar St., Connellsville, Pa.
- MARX, Guido H. (1901), Prof. Mech. Design, Leland Stanford Jr. Univ., Stanford University P. O., and *for mail*, 356 Lincoln Ave., Palo Alto, Cal.
- MARX, Henry J. (Junior, 1913), Safety Engr., Compensation Inspec. Rating Bd., 135 William St., New York, and *for mail*, 25 Manitou Ave., Poughkeepsie, N. Y.
- MARX, Henry (1880; 1892), Pres., The G. A. Gray Co., Gest and Depot Sts., and Vista Terrace, Sta. O., Cincinnati, O.
- MARZOLI, Luigi (Junior, 1908), Genl. Mgr., Supt., Fratelli Marzoli & Cie., Palazzola s/Oglio, Prov. of Brescia, Italy.
- MASFERRER, Joaquin R. (Junior, 1916), Asst. M. E., Haytian Am. Sugar Corp'n, Port-au-Prince, Hayti.
- MASI, Frank H. (Associate-Member, 1917), Pres., Treas., Atlantic Iron Wks., Inc., 427 Nivision St., Norfolk, Va.
- MASON, Daniel A. (1899; 1902), Supt. N. Y. Tribune Bldg., 154 Nassau St., New York, and *for mail*, 372 Stuyvesant Ave., Brooklyn, N. Y.
- *MASON, Earl P. (1914), Lieut. U. S. N. R. F., U. S. N., War College, "Eyrie," Halidon Hill, Newport, R. I.
- MASON, Frederick H. (1901; 1913), Commercial Engr., 614 Moffat Bldg., and 53 Seward Ave., Detroit, Mich.
- MASON, William H. (1901; 1913), Supt. of Constr., Merchants' Ship-building Co., and *for mail*, "Riverwood," Bristol, Pa.
- MASSA, Robt. F. (1904), H. W. Johns-Manville Co., 41st St. and Madison Ave., New York, N. Y.
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- MILLER, Lebbeus B. (1883), Manager, 1893-1896; Ret., 1025 E. Jersey St., Elizabeth, N. J.
- MILLER, Lyman H. (Junior, 1915), Asst. Supt., Am. Steel & Wire Co., and 249 Park St., New Haven, Conn.
- *MILLER, Philip F. (Junior, 1915), 1st Lieut. U. S. R., Field Artillery Section Carriage Div. O. D., and *for mail*, 1800 E St., N. W., Washington, D. C.
- MILLER, Richard E. (1913; Associate-Member, 1916), Mem. of Firm, Poland-Miller Co., 405 Erie Bldg., Cleveland, and Bay Village, O.
- MILLER, Sereno G. (Associate-Member, 1915), Exper. Engrg. Dept., The Goodyear Tire & Rubber Co., and *for mail*, 27 Spruce St., Akron, O.
- MILLER, Spencer (1888), Manager, 1914-1917; Vice-President, 1917-1919; Ch. Engr., Lidgerwood Mfg. Co., 96 Liberty St., New York, N. Y., and Terrell Ave., South Orange, N. J.
- MILLER, Stanley G. (Associate, 1917), V. P., Crex Carpet Co., Front and McKabin Sts., and *for mail*, 703 Fairmount Ave., St. Paul, Minn.
- MILLER, Theo. H. (1906), Genl. Supt., The De Laval Separator Co., and South Rd., Poughkeepsie, N. Y.
- MILLER, Thomas H. (Junior, 1905), Ch. Draftsman, Semet-Solvay Co., and *for mail*, 119 Beverly Rd., Syracuse, N. Y.
- MILLER, Walter (1886), M. E., Ret., 24 Rosemont Rd., East Cleveland, O.
- MILLETT, Kenneth B. (1908; Associate-Member, 1913), Asst. Ch. Engr., Am. Thread Co., and *for mail*, Fairview St., Willimantic, Conn.
- MILLHOLLAND, Wm. K. (Associate, 1917), Pres., Genl. Mgr. W. K. Millholland Mch. Co., and 3554 Graceland Ave., Indianapolis, Ind.
- MILLIKEN, Albert D. (1915), Agt., Hamilton Mfg. Co., Lowell, Mass.
- MILLIKEN, James I. (1917), Res. Agt., Everett Mills, and 180 Jackson St., Lawrence, Mass.
- MILLS, Anson C. (1915), Supt., Jackson Fence Co., and *for mail*, 1701 Francis St., Jackson, Mich.
- MILLS, Charles (1907), Cons. Engr., Saco-Lowell Shops, and *for mail*, 23 High St., Newton Upper Falls, Mass.
- MILLS, Charles (1914), 404 W. 12th St., Riverside, Cal.
- MILLS, Chester B. (1912), M. E., Charge Drafting Rm., Westinghouse Elec. & Mfg. Co., East Pittsburg, Pa.
- MILLS, Edmund (1903), Marine Dept., Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and *for mail*, 319 Arlington Ave., Jersey City, N. J.
- MILLS, Harold H. (Junior, 1913), Contr. Engr., "Automatic" Sprinkler Co. of Am., 119 State St., and 536 Providence St., Albany, N. Y.

- MILLS, Wallace C. (Junior, 1913), Mch. Designer, Root & Van Dervoort Engrg. Co., East Moline, and *for mail*, Y. M. C. A., Moline, Ill.
- MILLSPAUGH, William H. (1903; 1914), V. P., Sandusky Fdy. & Mchr. Co., Sandusky, O.
- MILNE, James (1907), M. and E. E., City of Toronto, City Hall, and 67 High Park Blvd., Toronto, Ont., Canada.
- MILNER, Bert B. (Junior, 1911), Engr. M. P., N. Y. C. R. R., 1939 Grand Central Term., and 16 E. 45th St., New York, N. Y.
- MILNOR, Thomas W. (1915), Pres., Kline Hardware Co., and 32 S. 5th St., Allentown, Pa.
- MILSON, Thomas H. (1903), 528 E. 29th St., Paterson, N. J.
- *MILTENBERGER, George K. (Junior, 1913), 1st Lieut., U. S. R., Co. D., 314th Engrs., 89th Div., Camp Funston, Kans., Power Salesman, Elec. Co. of Mo., Webster Groves, and *for mail*, 30 Elizabeth Ave., Ferguson, Mo.
- MINER, Harold L. (Associate-Member, 1917), Fire Protection Engr., E. I. du Pont de Nemours & Co., 863 du Pont Bldg., Wilmington, Del., and 4237 Osage Ave., West Philadelphia, Pa.
- MINICH, Henry D. (Associate-Member, 1917), Cons. Engr., 410 Cannon Pl., Troy, N. Y.
- MIRK, Thomas (1913), Pres., Hunt, Mirk & Co., Inc., 141 Second St., San Francisco, and *for mail*, 55 Poplar Ave., San Mateo, Cal.
- MIRKIL, Thomas H., Jr. (1884), Dist. Sales Mgr., Baltimore Tube Co., Treadwell Engrg. Co., Widener Bldg., Philadelphia, and 3027 Queen Lane, Germantown, Philadelphia, Pa.
- *MISCH, Arthur A. (Junior, 1913), 1st Lieut. Ord. R. C., 613 G St., W., Washington, D. C., and 901 Wall St., Port Huron, Mich.
- MISOSTOW, Henry (Associate-Member, 1915), M. E., Dept. Smoke Insp., City of Chicago, 608 City Hall, and *for mail*, 615 Lincoln Parkway, Chicago, Ill.
- MISTELE, Henry J. (1916), Ch. Engr. Power Dept., The Falk Co., foot of 30th St., and *for mail*, 298 16th St., Milwaukee, Wis.
- MITCHEL, Fred A. (Junior, 1912), Struc. Engr., Inland Steel Co., Indiana Harbor, Ind., and *for mail*, 7433 Paxton Ave., Chicago, Ill.
- MITCHELL, Albert E. (1891), V. P., The Wyckoff Pipe & Creosoting Co., Inc., 30 E. 42d St., New York, N. Y., and Strawberry Hill, Stamford, Conn.
- MITCHELL, Albert H. (Associate-Member, 1914), N. Y., Rep., Taft-Peirce Mfg. Co., Woolworth Tower, New York, and 88 72d St., Brooklyn, N. Y.
- MITCHELL, Benjamin M. (1894; 1905), Pres., The Conveying Weigher Co., Engr. of Tests, N. Y. Lubricating Oil Co., New York, N. Y., M. E., Manhattan Rubber Mfg. Co., and *for mail*, 244 Lafayette Ave., Passaic, N. J.
- MITCHELL, Chas. J. (1908), Ch. Draftsman, Fairbanks-Morse Mfg. Co., and *for mail*, 888 Schiller Pl., Beloit, Wis.
- MITCHELL, Courtney N. (1914), Ch. Engr., The Denneen Motor Co., 12207 Euclid Ave., and *for mail*, 13415 Graham Rd., Cleveland, O.
- MITCHELL, Guy C. (1913), Head of Production and Engrg. Depts., The Hooven, Owens, Rentschler Co., and 501 Prytania Ave., Hamilton, O.
- MITCHELL, Guy K. (Associate, 1913), Pres., Stand. Elec. & Elev. Co., foot of Culvert St., and 1952 W. Fayette St., Baltimore, Md.
- MITCHELL, John H. (Associate, 1900), Mgr. of Sales, Pressed Steel Car Co., West. Steel Car & Fdy. Co., 425 Peoples Gas Bldg., Chicago, and *for mail*, 1032 Michigan Ave., Evanston, Ill.
- MITCHELL, John R. (Associate, 1915), Traveling Rep., W. H. Miner, 667 Rookery Bldg., and *for mail*, P. O. Box 735, Chicago, and 921 Sheridan Rd., Evanston, Ill.

- MITCHELL, Miron A. (Junior, 1917), M. E., Natl. Vacuum Mch. Co., and *for mail*, 330 E. 2d St., Dayton, O.
- MITCHELL, Percival H. (1913), Mem. of Firm, C. H. & P. H. Mitchell, 1003 Traders Bank Bldg., and 8 Binscarth Rd., Toronto, Ont., Canada.
- MITCHELL, William C. (1901), Engr., Chardon, O.
- MITCHELL, W. H. (Associate, 1913), Inspr., The Niagara Falls Power Co., Canadian Niagara Power Co., and *for mail*, 536 12th St., Niagara Falls, N. Y.
- MITTENDORF, William (1916), Ch. Engr., Cincinnati Traction Co., 1312 Traction Bldg., and, 3508 Trimble Ave., Cincinnati, O.
- MIX, Melville W. (1893), Pres., Genl. Mgr., Dodge Mfg. Co., Dodge Sales & Engrg. Co., and 434 Lincoln Highway, E., Mishawaka, Ind.
- *MIXTER, George W. (1899; 1908), Maj., Signal Corps, Equipment Div., V. P., Deere & Co., Moline, Ill.
- MIYAKAWA, Capt. Kunitomo (1916), Engr. Capt., I. J. N., Kikangakukai, Admiralty, Tokyo, Japan.
- MIZUNO, Seiichi (Associate, 1912), Mitsubishi Dockyard & Eng. Wks., Kobe, Japan.
- MOELLER, Franklin (1891; 1912), M. E. Power and Min. Dept., Wellman-Seaver-Morgan Co., Cleveland, and *for mail*, 42 Chapman Ave., East Cleveland, O.
- MOELLER, William, Jr. (Associate-Member, 1913), Ch. Engr., Midway Gas Co., P. O. Box N., Taft, Cal.
- MOELLER, William (1917), Genl. Supt., Tex. Portland Cement Co., Dallas, Tex.
- MOEN, Leelanche (1917), Antlers Hotel, Colorado Springs, Colo.
- MOFFETT, Charles A. (1917), V. P., Genl. Mgr., Gulf States Steel Co., 1035 Brown-Marx Bldg., and 1500 16th Ave., S. Birmingham, Ala.
- MOHLER, Charles M. (Associate-Member, 1917), Supt., Empire Automobile Co., Indianapolis, and *for mail*, Hagerstown, Ind.
- MOHLER, Valentine J. (1916), Asst. Mgr. of Factories, C. G. Tagliabue Mfg. Co., 32-33rd St., Brooklyn, N. Y., and *for mail* 429 34th St., Woodcliff-on-Hudson, N. J.
- MOHR, Louis (1886), Pres., John Mohr & Sons, 349 W. Illinois St., and 1520 N. Robey St., Chicago, Ill.
- MOLDENKE, Dr. Richard (1900), Cons. Metallurgist, Watchung, N. J.
- MOLÉ, Harvey E. (1901), Cons. Engr., 55 Liberty St., New York, N. Y., and Summit, N. J.
- MOLOKIE, Stephen W. (Junior, 1917), Asst. Foreman of Constr., M. W. Kellogg Co., Box 3, Sta. A, East Toledo, O., and 3 Faber St., Port Richmond, N. Y.
- MOLYNEUX, George E. (Associate, 1917), Inventor, 19 Edwards Ct., Bayonne, N. J.
- *MONAGHAN, James F. (1909), Capt., O. O. R. C., Ft. Hancock, N. J., Cons. Engr., 79 Milk St., Boston, 208 Newton St., and 79 Hall St., Waltham, Mass.
- MONAGHAN, Walter I. (Junior, 1917), Sales Engr., Armstrong Cork & Insulation Co., and *for mail*, 2942 Third Ave., Huntington, W. Va.
- MONAGHAN, William F. (1886), Life Member; Employment Mgr., The N. Y. Edison Co., Irving Pl. and 15th St., and 60 W. 162nd St., New York, N. Y.
- MONAHAN, William H., Jr., (1917), M. E. Mining Dept., Whittaker-Glessner Co., and 851 Fourth St., Portsmouth, O.
- MONAHAN, Louis J. (1912), Pres., Universal Motor Co., and *for mail*, 57 Waugoo St., Oshkosh, Wis.
- MONAHAN, Wm. H., Jr. (1917), 851 Fourth St., Portsmouth, Ohio.

- MONKS, Archibald G. (Associate, 1908), Partner, Monks & Johnson, 78 Devonshire St., Boston, and Weston, Mass.
- MONKS, Wm. D. (Junior, 1908), Refrigerating Sales Engr., De La Vergne Mch. Co., foot of E. 138th St., New York, and *for mail*, 336 S. Second Ave., Mt. Vernon, N. Y.
- MONNOT, John F. (1909), Cons. Engr., Duplex Metals Co., V. P., Hudson Wire Co., and *for mail*, 31, Rue Daru, Paris, France.
- MONROE, F. Adair, Jr. (1916), V. P., The Dyer Co., 2031 Euclid Ave., and 1920 E. 89th St., Cleveland, Ohio.
- MONROE, Wm. S. (1896; 1901), Mem. of Firm, Sargent & Lundy, Rm. 1412, Edison Bldg., Chicago, Ill.
- MONTAGUE, Charles D. (1905), Accountant, Engr., 43 Exch. Pl., New York, N. Y., and 471 S. Maple Ave., Ridgewood, N. J.
- MONTAGUE, Charles E. (Junior, 1913), M. E., The Engelberg Huller Co., 831 W. Fayette St., and 233 W. Castle St., Syracuse, N. Y.
- MONTAGUE, Wallace T. (Junior, 1913), Sales Engr., Norton Co., and 13 Clearview Ave., Worcester, Mass.
- MONTE, Robert A. (1914), Cons. and Designing Engr., 127 W. Westfield Ave., Roselle Park, N. J.
- MONTEAGLE, Robert C. (1904), Pres., Genl. Mgr., The Pacific Constr. & Engrg. Co., 2917 Whatcom Ave., and *for mail*, 3803 E. Howell St., Seattle, Wash.
- MONTGOMERY, Graham L. (Junior, 1915), Designer Constr. Dept., Chile Exploration Co., 120 Broadway, and *for mail*, 2108 Harrison Ave., New York, N. Y.
- MONTGOMERY, H. M. (1889), 1221 Davis St., Evanston, Ill.
- MONTGOMERY, Stafford (Junior, 1913), Cons. Industrial and Production Engr., Chicago, and *for mail*, Riverside, Ill.
- MONTGOMERY, William J., (Associate-Member, 1917), Head of Mch. Dept., Brocton High School, and *for mail*, 14 N. Ash St., Brockton, Mass.
- *MOODY, Frederick H. (Junior, 1913), Major, 116th Battalion Canadian Inf., France, and *for mail*, 5 Chardmore Rd., Stoke Newington, London, N 16, Eng.
- MOODY, Herbert A. (1901; 1905; 1910), Genl. Mgr., Connecticut River Conservation Co., Turners Falls, Mass.
- MOODY, Lewis F. (1910), Cons. Engr., I. P. Morris Co., Beach and Ball Sts., Philadelphia, and *for mail*, 408 W. Cheltenham Ave., Germantown, Philadelphia, Pa.
- MOODY, V. D. (1916), Cons. Engr., Moody Engrg. Co., 90 West St., New York, N. Y.
- MOODY, William F. (1913), Designing Engr., 6 Boston Bldg., Denver, Colo.
- MOODY, William O. (1907), M. E., Ill. Central R.R. Co., 135 E. 11th St., and *for mail*, 4912 Monticello Ave., Chicago, Ill.
- MOON, Alfred G. (Junior, 1916), Acting Wks. Engr., Hercules Powder Co., Kenvil, and 1204 Hudson St., Hoboken, N. J.
- *MOON, Hartley A. (Associate, 1908), Maj., Inf., 4th Battalion, 3d Regiment, Mfg. Dept., Continental Gin Co., 714 Title Guarantee Bldg., and *for mail*, 1703 14th Ave., S., Birmingham, Ala.
- MOORE, Albert B. (1903), V. P. & Treas., Shedd Elec. Co., Inc., and *for mail*, 116 E. Third Ave., E., Roselle, N. J.
- MOORE, Allen H. (1902), Genl. Elec. Co., Schenectady, and *for mail*, 579 Western Ave., Albany, N. Y.
- MOORE, Carl F. (1917), Cons. Engr., U. S. Smelting, Refining and Mining Co., Rm. 900, 55 Congress St., Boston, Mass.
- MOORE, Charles B. (1914), V. P., The Oxweld R. R. Serv. Co., 339 Ry. Exch., Chicago, and 1415 Elinor Pl., Evanston, Ill.

- MOORE, Charles C. (Associate-Member, 1917), Power and Maintenance Engr., The Natl. Cash Register Co., and *for mail*, 25 Oakwood Ave., Dayton, O.
- MOORE, Edwin A. (1908), Iron Founder, Robeson St., below Weiser St., Reading, and *for mail*, 2216 N. 52d St., Wynnefield, West Philadelphia, Pa.
- MOORE, Edwin Adey (1916; 1917), Mgr. Liberty Ord. Co., Bridgeport, Conn.
- MOORE, Ernest A. (1913), 420 Pryor Ave., Milwaukee, Wis.
- MOORE, Frederick C. (1905), Cons. and Exec. Engr., 710 Engineers Bldg., and *for mail*, 1859 Wymore Ave., Cleveland, O.
- MOORE, H. Lee (Junior, 1913), Dist. Mgr., Buffalo Forge Co., 917 Union Arcade, Pittsburgh, Pa.
- MOORE, Harold T. (Associate, 1907), Industrial Engr., Day & Zimmermann, 611 Chestnut St., Philadelphia, and *for mail*, 300 Hathaway Lane, Wynnewood, Pa.
- MOORE, Herbert F. (1913), Prof. Engrg. Materials, Materials Testing Lab., Univ. of Ill., and 712 W. Nevada St., Urbana, Ill.
- MOORE, Hugh K. (1916), Chemical Engr., Berlin Mills Co., Burgess Sulphite Fibre Co., Brown Corp. and *for mail*, 93 Prospect St., Berlin, N. H.
- MOORE, James L. (1911), Pres., Moore Steam Turbine Corp'n, Wellsville, N. Y.
- MOORE, James S. (1916), Engr., Greensboro Supply Co., Greensboro, N. C.
- MOORE, James W. (Associate-Member, 1917), Supt. Constr., Am. Cast Iron Pipe Co., and 1040 Caldwell Terrace, Birmingham, Ala.
- MOORE, Lee C. (1902), Pres., Lee C. Moore & Co., 313 Sixth Ave., and *for mail*, 1813 Morrell St., N. S., Pittsburgh, Pa.
- MOORE, Levin A. (1912), Ch. Engr., Roessler & Hasslacher Chem. Co., and *for mail*, 125 Kearny Ave., Perth Amboy, N. J.
- MOORE, M. F. (Associate, 1915), Mgr., Kewanee Boiler Co., Kewanee, Ill.
- MOORE, Miller F. (1891), 320 Chestnut St., Roselle, N. J.
- MOORE, R. S. (1892), Manager, 1901-1904; Life Member; Treas., Moore & Scott Iron Wks., 678 2nd St., and 2164 Hyde St., San Francisco, Cal.
- MOORE, Samuel L. (1907), V. P., Genl. Mgr., The Moore Bros. Co., Foot of Bond and Pine Sts., and *for mail*, 205 Stiles St., Elizabeth, N. J.
- MOORE, Stanley H. (1900; Associate, 1903), Arch., Engr., Forest and Selma Ave., Webster Groves, Mo.
- MOORE, William E. (1903), Pres., W. E. Moore & Co., 706 Union Bank Bldg., and 219 N. Dithridge St., Pittsburgh, Pa.
- MOORE, William J. P. (1885; 1888), Alberger Pump & Cond. Co., 140 Cedar St., and *for mail*, 629 W. 115th St., New York, N. Y.
- MOORE, Wm. J. (Associate-Member, 1914), Sales Engr., Inter-Continental Mchy. Corp'n., 165 Broadway, New York, N. Y., and 827 W. 6th St., Plainfield, N. J.
- MOOREHEAD, Archibald C. (Junior, 1917), Engrg. Corps Richmond Refinery, Stand. Oil Co. of Cal., Richmond, and *for mail*, Box 242, Point Richmond, Cal.
- MORAN, Daniel E. (1886; 1904), Cons. Engr., 55 Liberty St., New York, N. Y., and Menham, Morris Co., N. J.
- MORAN, Daniel J. (Junior, 1913), Gen. Supt., The Texas Co. of Mexico, Apartado 191, Tampico, Mexico, and 620 S. Boulder Ave., Tulsa, Okla.
- MORAT, Jacques (1909), Spuyten Duyvil, and 314 Riverdale Ave., Yonkers, N. Y.
- MORAVA, Wensel (1886), Pres., Morava Constr. Co., 1043 Peoples Gas Bldg., and 4846 Kenwood Ave., Chicago, Ill.

- MORCH, John J. (Junior, 1916), Asst. Inspr. Engrg. Material, Bureau of Steam Engrg., U. S. Navy, Rm. 205-206 Post Office Bldg., and *for mail*, 304 Carroll St., Brooklyn, N. Y.
- MOREHEAD, George L. (1912), Asst. Ch. Engr., Link-Belt Co., 39th St. and Stewart Ave., and *for mail*, 7200 Princeton Ave., Chicago, Ill.
- MOREHEAD, William C. (1913; Associate-Member, 1914), Pres., Great Lakes Boat Build. Corp., 333 Becher St., and University Club, Milwaukee, Wis.
- MORETON, George W. (1909), V. P., Genl. Supt., Betts Mch. Co., and 1323 Gilpin Ave., Wilmington, Del.
- MOREY, Edwin (Associate-Member, 1916), Secy., Supt., E. J. Flather Mfg. Co., 44 Spring St., and *for mail*, 116 Concord St., Nashua, N. H.
- MORFORD, Thomas E. (1902), N. Y. Mgr., Am. Steam Pump Co., 17 Battery Pl., New York, N. Y.
- MORGAN, David B. (1912), V. P., Genl. Mgr., Carolina Wood Products Co., and 123 Edwin Pl., Asheville, N. C.
- MORGAN, Earl B. (1917), Safety Engr. and Acting Mgr. Employment Dept., Norton Co., and 37 Burncoat St., Worcester, Mass.
- MORGAN, Edward J. (Associate-Member, 1914), M. E. E., Rock Island / Sash & Door Wks., Rock Island, and *for mail*, 46 N. Mason Ave., Chicago, Ill.
- MORGAN, Glenn C. (1917), V. P., Secy., Morgan-Gerrish Co., 501 6th St., S., Minneapolis, Minn.
- MORGAN, Henry (Associate-Member, 1914), 302-304 Second Natl. Bank Bldg., Wilkes-Barre, and 20 Poplar St., Dorranceton, Pa.
- *MORGAN, John D. (Associate-Member, 1917), First Lieut. E. O. R. C., U. S. A., 564 Hawthorne St., care C. F. Schaller, Newark, N. J., and 921 Liberty St., Franklin, Pa.
- *MORGAN, John D. (1913), 1st Lieut., E. O. R. C., Pat. Solicitor, Mech. Expt. Atty., 2 Rector St., New York, N. Y., and 107 Beechwood Rd., Summit, N. J.
- MORGAN, John T. (Junior, 1912), Dist. Sales Agt., The Ohio Brass Co., 1503 Virginia St., Charleston, W. Va.
- MORGAN, Lewis H. (1904; 1906), Mountain Ave., Scotch Plains, N. J.
- MORGAN, Paul B. (1891; 1900), Treas., Morgan Constr. Co., 15 Belmont St., Worcester, Mass.
- MORGAN, Robert C. (1911), Ch. Engr., Stewart A. Jellett Co. Real Estate Trust Bldg., and *for mail*, 314 W. Seymour St., Philadelphia, Pa.
- MORGAN, William F. (Associate, 1906), V. P., Am. Balsa Corp'n, 30 E. 42nd St., New York, N. Y., and *for mail*, Beacon and Joy Sts., Boston, Mass.
- MORGANA, Charles, Jr. (Junior, 1913), Mech. Engr., Ford Motor Co., and 1018 E. Grand Blvd., Detroit, Mich.
- MORHOUS, Oakley A. (Associate, 1915), Chem. Charge Consldt. Lab., Consldt. Gas Co. of N. Y., 501 E. 21st St., New York, and 32 Summit Ave., Larchmont, N. Y.
- MORLAN, Wilbert (1914), Engr. in Charge, Queens Co. Water Co., Valley Stream, N. Y.
- MORNINGSTAR, B. Franklin (Junior, 1917), Engr. Main Power Sta., The River Furnace Co., and *for mail*, Apt. 10, 2126 Fairmount Rd., Cleveland, O.
- MORRELL, Alfred M. (Associate-Member, 1914), Spec. Rep., Edw. R. Ludow Co., Inc., 43 Larned St., E., and 145 Monterey Ave., Highland Park, Detroit, Mich.
- MORRILL, Guy L. (Junior, 1913), Sales Engr., York Mfg. Co., Seattle, Wash., and *for mail*, 516 S. Tremont St., Kewanee, Ill.
- MORRILL, Harley W. (1913), Agt., Ludlow Mfg. Associates, and *for mail*, 1 North St., Ludlow, Mass.

- MORRIN, Thomas (1897), Cons. M. E., Morrin & Coddington, Phelan Bldg., and 2928 Pacific Ave., San Francisco, Cal.
- MORRIS, Albert W. (1914), Ch. Engr., Harley Co., Ch. Engr., Morris Engrg. Co., Page Blvd., and *for mail*, 54 Buckingham St., Springfield, Mass.
- *MORRIS, Thomas B. (Junior, 1910), 1st Lieut., E. O. R. C.; E. K. Morris & Co., and *for mail*, 3116 McHenry Ave., Cincinnati, O.
- MORRIS, W. Cullen (1915), Engr. of Constr., Constltd. Gas Co., 130 E. 15th St., New York, and 102 Franklin Pl., Flushing, L. I., N. Y.
- MORRISON, Barrett W. (Junior, 1916), Great West. Sugar Co., Billings, Mont.
- MORRISON, Hunter (1903; Associate-Member, 1915), Sales Mgr., Hill Clutch Co., W. 65th St. and Breakwater Ave., and 1801 E. 89th St., Cleveland, O.
- MORRISON, Jared P. (1916), Ch. Inspr., Hartford Steam Boiler Inspec. & Ins. Co., 614 Security Bldg., and 6015 Columbia Ave., St. Louis, Mo.
- MORRISON, Max P. (1914), Head Draftsman, Am. Steel & Wire Co., and *for mail*, 296 Tyler St., Trenton, N. J.
- MORRISON, William (Junior, 1900), Pres., The Highland Body Mfg. Co., Sta. P., Cincinnati, and *for mail*, 750 Ludlow Ave., Clifton, Cincinnati, O.
- MORRISON, William B. (1914), Asst. Genl. Mgr., McIntosh & Seymour Corp., and *for mail*, 2 Woodruff Pl., Auburn, N. Y.
- MORRISON, William S. (1914), Asst. Engr., T. E. Murray, Cons. Engr., 124 E. 15th St., and 411 W. 115th St., New York, N. Y.
- MORRISSEY, Peter J. (1913), Genl. Mgr., Citizens Light, Heat & Power Co. of Pa., 535 Vine St., and 521 Cypress Ave., Johnstown, Pa.
- MORROW, James E. (Associate-Member, 1917), Secy., Genl. Mgr., Production, The Willys-Morrow Co., and 529 W. Church St., Elmira, N. Y.
- MORROW, Lester C. (Junior, 1916), Inspr. for Frank Searle, 120 Broadway, New York, N. Y., and *for mail*, Lockland, O.
- MORROW, Robert L. (Junior, 1913), Safety Supvr., E. I. du Pont de Nemours & Co., Parlin, N. J.
- MORSE, Albert W. (Associate-Member, 1917), V. P., The Anthony Co., Long Island City, L. I., N. Y.
- MORSE, Arthur H. (1911), M. E., 123 Hudson St., Ithaca, N. Y.
- MORSE, Chas. H., Jr. (1897; 1904), Pres., Fairbanks, Morse & Co., 900 S. Wabash Ave., and 305 Fullerton Parkway, Chicago, Ill.
- MORSE, Frank L. (1912), Pres., Treas., Morse Chain Co., and 514 Edgewood Pl., Ithaca, N. Y.
- MORSE, Robert W. (Associate-Member, 1915), Pat. Atty., 511 McGill Bldg., Asst. Prof. M. E., George Washington Univ., and *for mail*, 1669 Columbia Rd., N. W., Washington, D. C.
- MORSE, Walter R. (Associate-Member, 1916), Asst. Supt., The Shoe Hardware Co., Waterbury, Conn.
- MORSE, William A. (1903), Otis Elev. Co., Wells and Woodworth Ave., and *for mail*, 21 Union Pl., Yonkers, N. Y.
- MORSE, Everett (1914), Pres., Simplex Wire & Cable Co., 201 Devonshire St., and 115 Commonwealth Ave., Boston, Mass.
- MORSS, Henry A. (1915), V. P., Simplex Wire & Cable Co., 201 Devonshire and 463 Commonwealth Ave., Boston, Mass.
- MORTENSEN, Casper (Junior, 1899), Designer Mch. Tool Dept., Genl. Elec. Co., and *for mail*, 424 Broadway, Schenectady, N. Y.
- MORTON, Arthur B. (1917), Ch. Draftsman, Thompson & Co. Proprietary, Ltd., and *for mail*, Hunter St., Castlemaine, Victoria, Australia.
- MORTON, Geo. L. (1890), Prin. Examiner, Rm. 204, U. S. Pat. Office, and 503, The Ontario, Washington, D. C.

- *MORTON, Harold S. (Junior, 1914), R. O. T. C. at Ft. Snelling, Minn.; Engr. of Tests, North West Fuel Co., Merchants Bank Bldg., St. Paul, and *for mail*, 3851 Lyndale Ave., N., Minneapolis, Minn.
- MORTON, Harry E. (1914), State Inspr. Boilers, Commonwealth of Mass., 3 State House, Boston, and *for mail*, 1334 Washington St., Canton, Mass.
- MORTON, John W. (Junior, 1913), Ch. Draftsman, Baltimore Oil Eng. Co., and 431 S. Ellwood Ave., Baltimore, Md.
- MOSELEY, Alexander W. (1900), Prof. M. E., Lewis Inst., Chicago, and *for mail*, 847 Ridge Ave., Evanston, Ill.
- MOSELEY, Wm. S. (1917), M. E., C. C. & O. Ry., Erwin, Tenn.
- MOSES, Ashleigh S. (1914), Engr. Mfg. Com., Natl. Lead Co., 111 Broadway, New York, N. Y.
- MOSES, Fredrick T. (Associate, 1916), V. P., Engr., Firemen's Mutual Ins. Co., 841 David Whitney Bldg., and 41 Holbrook Ave., Detroit, Mich.
- MOSES, Lucius L. (1912), Cons. Engr., 1715 Harvard Ave., Seattle, Wash.
- MOSES, Walter B. (Junior, 1917), Genl. Mgr., A. Marx & Sons, 1645 Tchoupitoulas St., and 3228 S. Carrollton Ave., New Orleans, La.
- MOSHER, Clifford C. (1917), Pres. & Genl. Mgr., East Iron & Mch. Co., Lima, O.
- MOSHER, William E. (Junior, 1912), U. S. A. Piers, Hoboken, N. J., and *for mail*, 660 W. 180th St., New York, N. Y.
- MOSMAN, Chas. T. (1909), Dist. Engr., Genl. Elec. Co., 84 State St., Boston, and 5 Wolcott Terrace, Winchester, Mass.
- *MOSMAN, Ernest (1916), 1st Lieut. O., O. R. C., Rock Island Arsenal, Rock Island, Ill.
- MOSS, Herbert H. (Associate-Member, 1917), Asst. Engr., Aetna Explosives Co., Inc., 120 Broadway, New York, N. Y., and *for mail*, 71 Rutherford Pl., Arlington, N. J.
- MOSS, Sanford A. (1903), Engr. Turbine Research Dept., Genl. Elec. Co., West Lynn, Mass.
- MOSSBERG, Frank (1895), Pres., Genl. Mgr., Frank Mossberg Co., Attleboro, Mass., and V. P., Stand. Mch. Co., Providence, R. I.
- MOTT, Chas. S. (1898; 1909), V. P., Genl. Motors Co., care of Weston Mott Co., and 1400 E. Kearsley St., Flint, Mich.
- MOTTINGER, Byron T. (1916), E. E., Fort Dodge, Des Moines & South. R. R. Co., and *for mail*, 216 Story St., Boone, Ia.
- MOUL, Harry A. (Junior, 1916), 2003 Columbia Ave., Philadelphia, Pa.
- MOULTON, Seth A. (1914), Pres., The Moulton Engrg. Corp'n., 534 Congress St., Portland, Me., and 1942 Woolworth Bldg., New York, N. Y.; *res.*, 72 Prospect St., Portland, Me.
- MOULTROP, Irving E. (1902), Manager, 1908-1911; Vice-President, 1912-1914; Asst. Supt. Constr. Bureau, Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, and 75 Winchester St., Brookline, Mass.
- *MOUNT, Carroll H. (Junior, 1910), 1st Lieut. U. S. R., Ord. Dept. Supply Div., 1330 F St., N. W., Washington, D. C., and 195 W. 11th Ave., Columbus, O.
- MOUNT, Ralph H. (1917), Mgr., The Okonite Co., Canal St., Passaic, N. J.
- MOUNT, Wm. D. (1892; 1897), Genl. Mgr., Mathieson Alkali Wks., Saltville, Va.
- MOWAT, J. Fred. (1916), M. M. Blast Furnaces, Ill. Steel Co., and *for mail*, 812 Third Ave., Joliet, Ill.
- MOWERY, Harold W. (Associate, 1916), Am. Abrasive Metals Co., 50 Church St., New York, N. Y.

- MOWERY, John N. (1906), M. E., Keystone Lubricating Co., 21st and Clearfield Sts., Philadelphia, Pa.
- MOXHAM, Egbert (1906; 1912), Pres., F. B. Foster & Co Inc., 2447 Locust St., Philadelphia, Pa., and Old Mill Rd., Great Neck, L. I., N. Y.
- MOY, Frank (Junior, 1915), First Asst. Inspr., Bureau of Gas, Dept. of Pub. Wks., City Hall, Philadelphia, Pa.
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- MOYER, James A. (1907), Dir. State Dept., Univ. Extension State House, and Hotel Hemenway, Boston, Mass.
- MOYER, J. Ross (Junior, 1913), Asst. Oper. Mgr., Milliken Bros., Inc., Arlington, Staten Island, N. Y.
- MOYER, Malcolm B. (Associate-Member, 1917), Pres., Moyer Mfg. Co., and 131 Summit Ave., Montevideo, Minn.
- MOYER, Melbourne S. (Associate, 1917), Industrial Dept., The Natl. City Co., 55 Wall St., New York, and Hollis Ave, Hollis, L. I., N. Y.
- *MOYER, Will D. (Junior, 1917), Capt. C. A., O. R. C., Ft. McKinley, Portland, Me.
- MOYER, William J. (Associate-Member, 1913), Supt. of Constr., Moyer Engrg. & Constr. Co., 375 Fulton St., and *for mail*, 1809 Beverly Rd., Brooklyn, N. Y.
- MOZEEN, Herbert D. (Junior, 1917), Asst. Mgr. Mch. Dept., Syracuse Supply Co., 314 W. Fayette St., and *for mail*, 228 South Ave., Syracuse, N. Y.
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- MUCKLE, M. R., Jr. (1885), 220 S. Broad St., and 1722 Pine St., Philadelphia, Pa.
- MUDD, John P. (1910; Associate-Member, 1915). M. E., The Midvale Steel Co., and *for mail*, 229 Zeralda St., Philadelphia, Pa.
- MUDGE, Sterling W. (Junior, 1914), Efficiency Engr., Edw. R. Ladew Co., Inc., Glen Cove, L. I., N. Y.
- MUELLER, Herman (Associate, 1916), Mgr. Laidlaw Sales, Worthington Pump & Mch. Corp'n, Cincinnati, and *for mail*, 4413 Floral Ave., Norwood, O.
- MUELLER, Herman F. (1913), Ch. Engr., Washburn Crosby Co., and *for mail*, 2018 Dupont Ave., N., Minneapolis, Minn.
- MUELLER, Jacob L. (Junior, 1915), M. E., The Am. Chain Co., Inc., and 127 Catherine St., Bridgeport, Conn.
- MUELLER, Oscar W. (1917), Pres., The Mueller Mch. Tool Co., 2427 Colerain Ave., and 2431 Ohio Ave., Cincinnati, O.
- MUELLER, Victor H. (Junior, 1907), Designing Engr., Doherty Operating Co., 60 Wall St., New York, N. Y., and *for mail*, 25 Maple Terrace, East Orange, N. J.
- MUHLFELD, John E. (1908), Pres., Loco. Pulverized Fuel Co., 30 Church St., New York, and *for mail*, Sherbrooke Rd., Scarsdale, N. Y.
- MUIR, John J. (1896), Mech. Supt., Bass Fdy. & Mch. Co., and *for mail*, 2221 Fairfield Ave., Fort Wayne, Ind.
- MUIR, Leonard S. (Junior, 1916), Ch. Draftsman, Dwight Seabury, 12 East Ave., and 147 East Ave., Pawtucket, R. I.
- MUIR, Roy C. (1917), Power and Min. Engrg. Dept., Genl. Elec. Co., and *for mail*, 20 N. Church St., Schenectady, N. Y.
- MULCARE, James J. (1917), Asst. Engr. in charge Drafting Dept., Genl. Elec. Co., and *for mail*, 943 State St., Schenectady, N. Y.

- MULHERON, William (Junior, 1913), Westinghouse, Church, Kerr & Co., 37 Wall St., New York, and 558 Henderson Ave., West New Brighton, S. I., N. Y.
- MULLANEY, John E. (Junior, 1915), Eng. Dept., Lewiston Bleachery & Dye Wks., and *for mail*, 78 Pierce St., Lewiston, Me.
- MULLANEY, John J. (1901), 50 Church St., New York, N. Y.
- MULLEN, John (1886), Genl. Mgr., John Mullen & Son, 516 N. Franklin St., and 129 S. Shamokin St., Shamokin, Pa.
- MULLER, Edward A. (1890), V. P., Genl. Mgr., The King Mech. Tool Co., P. O. Sta. W., Cincinnati, and *for mail*, 839 Mitchell Ave., Avondale, Cincinnati, O.
- MÜLLER, Frederick (Junior, 1913), Engr., Müller Mfg. Co., 1198 Franklin Ave., New York, N. Y.
- *MULLER, Raymond W. (Junior, 1916), E. O. R. C., M. E., Walter Kidde & Co., Inc., 140 Cedar St., and *for mail*, 230 W. 11th St., New York, N. Y.
- MULLER, Richard O. (1913), Asst. Ch. Engr., Terry Steam Turbine Co., and *for mail*, 62 Edwards St., Hartford, Conn.
- MULLHAUPT, Alfred, Jr. (Junior, 1911), 25 School St., Bradford, Pa.
- MULLINER, Richard H. (1916), Secy., Treas., Mulliner-Enlund Co., 541 S. Clinton St., and 333 Rich St., Syracuse, N. Y.
- MUNCASTER, Walter J. (1887), V. P., Genl. Mgr., Cumberland Steel Co., and 157 Washington St., Cumberland, Md.
- MUNCY, Victor E. (1914), Prof. Mech. and Applied Elec., Sch. of Mech. and Elec., Ohio Mechanics Inst., and 3325 Burnet Ave., Cincinnati, O.
- MUNN, D. Walter (1915), Engrg. Dept., Algoma Constr. & Engrg. Co., and *for mail*, Tara Hall Apts., Saulte Ste. Marie, Ont., Canada.
- MUNRO, George W. (1912), Asst. Prof. M. E., Purdue Univ., Lafayette, and *for mail*, 202 Waldron St., West Lafayette, Ind.
- MUNRO, Robert E. (1916), Ch. Insp., Hartford Steam Boiler Inspc. & Ins. Co., Rm. 20, Abell Bldg., and 610 Chestnut Hill Ave., Baltimore, Md.
- MUNSON, Charles C. (Associate, 1913), V. P., E. G. LeCato Co., Inc., 73rd St. and Broadway, New York, N. Y., and *for mail*, 62 Lincoln Ave., Grantwood, N. J.
- MUNSON, Edmund G. (1908), Utica, and Whitesboro, N. Y.
- MUNSON, Horace D. (1916), Supt. By-Products Dept., Niagara Alkali Co., and 9 Ericson Pl., Niagara Falls, N. Y.
- MUNSON, John G. (1917), Constr. Engr., J. G. White Engrg. Corp'n, Sheffield, Ala.
- MUNSON, Kenneth A. (Junior, 1917), Tool Designer, Genl. Elec. Co., West Lynn, and *for mail*, 117 N. Common St., Lynn, Mass.
- MUNSON, Stanley (Junior, 1911), Engr., The Proctor & Gamble Mfg. Co., Kansas City, Kansas.
- MUNYAN, Earl A. (Junior, 1917), Ensign, Asst. Naval Insp., of Powder E. C., Bu. of Ord., care of du Pont Powder Co., Gun Cotton Labs., City Point, and 53 S. Market St., Petersburg, Va.
- MURPHY, Ambrose E. (Junior, 1917), Asst. Shop Supt., U. S. Navy Yard, Bldg. 6, and *for mail*, 55 Hanson Pl., Brooklyn, N. Y.
- MURPHY, Benjamin S. (1905; 1916), Supt. of Power, Hudson & Manhattan R. E. Co., Jersey City Power House, and *for mail*, 254 Fourth St., Jersey City, N. J.
- MURPHY, Edward S. (Junior, 1917), Draftsman, Honolulu Iron Wks. Co., Woolworth Bldg., New York, and *for mail*, 629 Beverly Rd., Brooklyn, N. Y.
- MURPHY, Edward T. (Junior, 1905), V. P., Carrier Engrg. Corp., 1402 Land Title Bldg., and 6039 Carpenter St., Philadelphia, Pa.

- MURPHY, George F. (1914), Charge Sales Office, Heine Safety Boiler Co., Fulton Bldg., Pittsburgh, Pa.
- MURPHY, James A. (1917), Fdy. Supt., The Hooven, Owens, Rentschler Co., and *for mail*, 916 Heaton St., Hamilton, Ohio.
- MURPHY, John H. (1912), Prop., John H. Murphy Iron Wks., Magazine and Girod Sts., P. O. Box 1468, and 1322 Felicity St., New Orleans, La.
- MURPHY, John Z. (1899), E. E., Chicago Surface Lines, Rm. 1020, 105 S. La Salle St., and *for mail*, 3921 W. Jackson Blvd., Chicago, Ill.
- MURPHY, Joseph E. (Associate-Member, 1915), Mgr. Mchy. Dept., John W. Thorne & Co., Inc., 165 Broadway, New York, N. Y.
- MURPHY, Ralph (Associate-Member, 1913), Ch. Engr., H. H. Franklin Mfg. Co., and *for mail*, 146 Greenwood Pl., Syracuse, N. Y.
- MURPHY, Thomas R. H. (1911; Associate-Member, 1916), Ch. Engr., Port Arthur Pulp & Paper Co., Ltd., and *for mail*, 302 Argyle St., Port Arthur, Ont., Canada.
- MURPHY, Walter B. (Associate-Member, 1916), Supt. Chem. Dept., The Barrett Co., Frankford, Philadelphia, and *for mail*, 4211 Sansom St., Philadelphia, Pa.
- MURPHY, William T. (1911; 1912), Genl. Mgr., Stand. Mchy. Co., Auburn, and *for mail*, 164 Grand Ave., Edgewood, R. I.
- MURRAY, Arthur F. (1908; Associate-Member, 1915), M. E., N. E. Westinghouse Co., and *for mail*, 48 Grenada Terrace, Springfield, Mass.
- MURRAY, E. Frank (Junior, 1916), Sales Engr., Lummus Cotton Gin Sales Co., and *for mail*, Box 1358; also, 2915 Forest Ave., Dallas, Texas.
- MURRAY, Henry H. (1899; 1905), M. E., Victor Talking Mch. Co., Camden, and *for mail*, 713 Main St., Riverton, N. J.
- MURRAY, Thomas E. (1894), V. P., The N. Y. Edison Co., Irving Pl. and 15th St., New York, and 783 St. Marks Ave., Brooklyn, N. Y.
- MURRAY, Warren E. (1910), Refinery Mgr., West. Sugar Refining Co., 23rd and Louisiana Sts., and Apt. 504, 621 Stockton St., San Francisco, Cal.
- *MURRIE, John L. (Junior, 1905), Lieut., U. S. N. R. F.; Engr. The N. Y. Edison Co., Irving Pl. and 15th St., New York, and Hollywood Ave., Crestwood, Yonkers, N. Y.
- MUSCHENHEIM, Frederick A. (1915), V. P., Hotel Astor, New York, N. Y.
- MUTHER, Ellis F. (Associate, 1907), Genl. Sales Mgr. Gisholt Mch. Co., and *for mail*, 428 N. Livingston St., Madison, Wis.
- MYERS, Charles T. (Associate-Member, 1917), Production Engr., Savage Arms Corp'n, and 1675 Neilson St., Utica, N. Y.
- MYERS, Cornelius T. (1908; 1912), Automotive Engr., Consultant, 117 W. Fort St., Detroit, Mich., and *for mail*, Avenel, N. J.
- MYERS, Curtis C. (Junior, 1905), Prof. Industrial Engrg., Univ. of Cincinnati, and *for mail*, 3432 Lyleburn Pl., Cincinnati, O.
- MYERS, David Moffat (1907; 1912), Cons. Engr., Griggs & Myers, 110 W. 40th St., and 9 Gramercy Park, New York, N. Y.
- *MYERS, James L. (Junior, 1913), 1st Lieut., O. D., O. K. C.; Fuel and Power Engr., The Barrett Co., 36th and Gray's Ferry Ave., Philadelphia, Pa., and 840 N. Broad St., Elizabeth, N. J.
- MYERS, Walter S. (1910), Ch. Draftsman, Ladd & Baker, Philadelphia, and *for mail*, 327 S. 7th St., Darby, Pa.
- NADLER, Harry A. (Junior, 1915), Factory Supt., Central Fortuna, Fortuna, P. R.
- NAEGELEY, John C. (1901), Engr., Arch., 73 Rochelle Ave., Wissahickon, Philadelphia, Pa.

- NAESS, Ragnvald (Junior, 1912), Pac. Coast Mgr., Philippine Vegetable Oil Co., Inc., 1026 Henry Bldg., and Lincoln Hotel, Seattle, Wash.
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 NAILLER, Raymond F. (1911), 1665 E. 86th St., Cleveland, O.
 NAKAI, K. (1915), Ashio Copper Mines, Shimotsuke, Japan.
 NALON, Thomas M. (1916), Sugar Mill Engr., Hooven Owens, Rentschler Co., Hamilton, O.
 NAPHTALY, Sam. L. (1907), V. P. & Genl. Mgr., Los Angeles Shipbuilding & Dry Dock Co., San Pedro, Cal., and 2960 Broadway, San Francisco, Cal.
 NASH, Douglas E. (Associate-Member, 1917), Treas., Nash Engrg. Co., Wilson Ave., and *for mail*, 198 Flax Hill Rd., South Norwalk, Conn.
 NASH, Harold L. (Junior, 1917), Designing Engr., Nash Engrg. Co., Wilson Ave., and *for mail*, 31 Quintard Ave., South Norwalk, Conn.
 NASH, James E. (Associate-Member, 1915), Supt., Worcester Salt Co., Silver Springs, N. Y.
 NASH, Lewis H. (1891), Pres., Nash Engrg. Co., Wilson Ave., and *for mail*, 198 Flax Hill Rd., South Norwalk, Conn.
 NATE, Emil H. (Junior, 1904), Pres., Treas., Nate-Earle Co., Inc., 650 W. 44th St., New York, N. Y., and 728 Park Ave., Wheehauken, N. J.
 NATHAN, Alfred (Junior, 1891), Pres., Nathan Mfg. Co., Flushing, L. I., and *for mail*, 820 Fifth Ave., New York, N. Y.
 NAUMBURG, Robert E. (Junior, 1917), Efficiency Engr., Revere Rubber Co., Providence, R. I., and *for mail*, 88 Central Park W., New York, N. Y.
 NAYLOR, Chas. Wm. (1905), Ch. Oper. Engr., Marshall Field & Co., 121 N. State St., and *for mail*, 4429 Congress St., Chicago, Ill.
 NEAGLE, Russell J. (Junior, 1916), Sales Engr., Condit Elec. Mfg. Co., 838 Summer St., South Boston, and *for mail*, 52 Bradshaw St., Medford, Mass.
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 NEALE, William Mc C. (Junior, 1913), Secy., Treas., M. E., Newman Mch. Co., Jackson St. & Sou. Rwy., Greensboro, N. C.
 NEAVE, Andrew A. (1912), V. P., Treadwell Engrg. Co., and 23 N. 10th St., Easton, Pa.
 NEAVE, Pierson M. (Junior, 1903), Prod. Engr., West Elec. Co., Inc., 463 West St., New York, N. Y., and 46 Highland Ave., Glen Ridge, N. J.
 NEDDEN, F. zur (1913), care of Alfred Richter, 59 Pearl St., New York, N. Y.
 NEEFUS, Harold V.H. (1916), Bronxville, N. Y.
 NEELAND, Marvin A. (1915), Pres., New York Shipbuilding Co., Camden, and *for mail*, 40 Afterglow Way, Montclair, N. J.
 NEELY, Frank H. (1908: 1914), Industrial Engr., Fulton Bag & Cotton Mills, and 683 Piedmont Ave., Atlanta, Ga.
 NEELY, Fred L. (1909: 1914), Specialist Engrg. Dept., E. I. du Pont de Nemours & Co., and 916 Delaware Ave., Wilmington, Del.
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- NEIL, Edmund B. (Junior, 1915), Truck Engrg. Dept., Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., and *for mail*, 104 Claremont Ave., Buffalo, N. Y.
- NEILD, Robert R. (1917), Genl. Mgr., Victoria Mchy. Depot Co., Ltd., 343 Bay St., and 1940 Quamichau Ave., Victoria, B. C.
- NEILER, Samuel G. (1907), Pres., Neiler, Rich & Co., 1409 Manhattan Bldg., Chicago, and 338 N. Kenilworth Ave., Oak Park, Ill.
- NEILSON, Frederick C. (Associate, 1908), Asst. Insp. Engrg. Material Bureau of Steam Engrg., Navy Dept., Rm. 607, 36 Pearl St., Hartford, and *for mail*, 3 Westland Ave., P. O. Box 472, West Hartford, Conn.
- NEILSON, William L. (1913), Genl. Mgr., Deutsche Norton Gesellschaft, m.b.H., Wesseling bez., Cologne, Germany.
- NELIS, Joseph J. (1914), Sales Engr., The Babcock & Wilcox Co., 404 Traction Bldg., and 3017 Bathgate St., Cincinnati, O.
- NELSON, Alfred C. (1914), Engr., The William B. Pollock Co., of Youngstown, 416 Rockefeller Bldg., Cleveland, and 1270 Summit Ave., Lakewood, O.
- NELSON, B. Stanley (1910; Associate-Member, 1917), Engr., A. M. Lockett & Co., Ltd., 533 Baronne St., and 7319 Panola St., New Orleans, La.
- NELSON, Charles (1915), Ch. Engr., Supt. Steam Boiler and Fly Wheel Depts., Royal Indemnity Co., 84 William St., New York, N. Y.
- NELSON, Emil A. (1913), M. E., 500 Bellevue Ave., Detroit, and *for mail*, R. F. D. 1, Halfway, Roseville, Mich.
- NELSON, Eric H. (1909), Ch. Engr., Blake-Knowles Wks., Worthington Pump & Mch. Corp'n 265 Third St., Cambridge, and *for mail*, 7 Kensington Rd., Arlington, Mass.
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- NELSON, John E. (Junior, 1916), Spec. Mach. Des., De Laval Separator Co., and *for mail*, 5 Monitou Ave., Poughkeepsie, N. Y.
- NELSON, John H. (1917), Engineer-Physicist, Bu. of Standards, and 3735 Jocelyn St., Washington, D. C.
- NELSON, M. Clifton (1916), Genl. Mgr., R. B. Phillips Mfg. Co., 3 Grand St. Ct., and *for mail*, 424 Massasoit Rd., Worcester, Mass.
- NELSON, Robert W. (Junior, 1917), Asst. Supt. Machine Shop, The Bartlett Hayward Co., and *for mail*, 27 W. Chase St., Baltimore, Md.
- NELSON, S. T. (1917), Supt. Sullivan Mchy. Co., 2624 Lake St., Chicago, Ill., and 528 N. Harvey Ave., Oak Park, Ill.
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- *NESBIT, Joseph N. G. (1911), Ord. Div., Sandy Hook Proving Grounds, Ft. Hancock, N. J.
- NESDAUL, Ellert (Associate, 1913), Air Conditioning Engr., Braemer Air Conditioning Corp'n, Lafayette Bldg., Philadelphia, Pa., and *for mail*, 311 N. 2nd St., Camden, N. J.
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- NETHERWOOD, Joseph S. (Junior, 1915), Ch. Draftsman M. P. Dept., South. Pacific Lines, 710 S. P. Bldg., and *for mail*, 4520 Walker Ave., Houston, Tex.
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- NEUHAUS, Fritz A. E. (1898: 1906), Genl Mgr., Ch. Engr., A. Borsig, Tegel, Berlin, and Olivaerplatz 7, Charlottenburg, Germany.
- NEUREUTHER, Andrew H. (Junior, 1899), M. E., West. Clock Co., La Salle, and *for mail*, 1511 Fourth St., Peru, Ill.
- NEVILL, David J. (1900), M. E., The Stearns-Roger Mfg. Co., 1720 California St., and 658 Emerson St., Denver, Colo.
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- NEVIUS, Walter I. (Junior, 1915), Mech. Dept., Inland Steel Co., and *for mail*, 4123 Parrish Ave., Indiana Harbor, Ind.
- NEW, William E. (1913), M. M., Kansas City Terminal Ry., 2530 S. W. Blvd., and *for mail*, 635 Schaefer Ave., Kansas City, Mo.
- NEWBOLD, Charles E. (1914), Trinidad Leaseholds, Ltd., La Carriere, Point é Pierre, Trinidad, B. W. I.
- NEWBURN, Theodore W. (1914), Asst. Res. Engr. Southeast. Dist., Westinghouse Air Brake Co., 200 Westinghouse Bldg., Pittsburgh, Pa.
- NEWBY, Howard L. (Junior, 1916), M. and E. E., Sinclair Refining Co., 908 Conway Bldg., and *for mail*, 4915 Forestville Ave., Chicago, Ill.
- *NEWCOMB, Benjamin R. (Junior, 1916), 1st Lieut., O. R. C., U. S. A.; Lawyer, Pat. Expt., and 1800 K St., N. W., Washington, D. C.
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- *NEWCOMB, Franklin L. (Junior, 1914), 1st Lieut., Co. C. 24th Reg't. Engrs., Camp Dix, N. J., and *for mail*, 117 Stiles St., Elizabeth, N. J.
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- NEWCOMBE, Garfield M. (Junior, 1917), M. E., East Mfg. Co., and *for mail*, Colonial Hotel, Bangor, Me.
- NEWCOMBER, George M. (Associate, 1914), F. L. Smidth & Co., Inc., 50 Church St., and 504 W. 151st St., New York, N. Y.
- NEWCOMER, Martin (Junior, 1914), Production Mgr., Am. Player Action Co., Jackson Ave. and 140th St., New York, N. Y., and 237 Kearney Ave., Perth Amboy, N. J.
- NEWELL, Charles Z. (1904: 1912), M. E., Rm. 219, 30 E. 42d St., New York, and *for mail*, 154 Nyac Ave., Pelham, N. Y.
- NEWELL, Frederick H. (1915), Prof. C. E., Univ. of Ill., Urbana, Ill.
- NEWELL, John C. (Associate-Member, 1917), Ch. Engr., Keystone Steel & Wire Co., and 201 N. Underhill, Peoria, Ill.
- NEWELL, Wallace L. (1914), Skinner Syndicate, L. C. Smith Bldg., and *for mail*, 202 14th Ave., Seattle, Wash.

- NEWELL, William (1907; 1916), Ch. Safety Engr., State Ins. Fund, 230 Fifth Ave., and 258 Riverside Drive, New York, N. Y.
- NEWHALL, Arthur B. (Junior, 1913), Office Mgr., Hood Rubber Co., and 64 Hillside Rd., Watertown, Mass.
- NEWHALL, Henry B., Jr. (1916), V. P., Newhall Chain Forge & Iron Co., N. J. Fdy. & Mch. Co., Diamond Expansion Bolt Co., Secy., 90 West St., New York, N. Y., and 1277 Woodland Ave., Plainfield, N. J.
- NEWMAN, Charles H. (Associate-Member, 1916), M. E., Designing and Installing Elevating, Conveying and Power Transmission Mch., 309 Broadway, and 966 Anderson Ave., New York, N. Y.
- NEWMAN, Harry P. (Junior, 1916), Foreman Rifle Bolt Dept., Remington Arms & Ammunition Co., Bridgeport, Conn., and *for mail*, 125 W. 46th St., New York, N. Y.
- NEWMAN, Martin F. (1911), Mgr. Water Purifying Dept., Wm. B. Scaife & Sons Co., and *for mail*, 517 4th St., Oakmont, Pa.
- NEWMAN, Paul A. (Junior, 1916), Asst. Engr., care of F. Lowenstein, 397 Bridge St., and *for mail*, 83 Enfield St., Brooklyn, N. Y.
- NEWMAN, William C. (Junior, 1914), Turbine Sales Dept., Genl. Elec. Co., Bldg. 64, West Lynn, Mass.
- NEWSOM, Horace H. (1916), Stand. Parts Co., Hickox Bldg., and *for mail*, 1361 E. Boulevard, Cleveland, O.
- NEWTON, Albert E. (1917), V. P., Genl. Mgr., Reed-Prentice Co., 677 Cambridge St., and *for mail*, 796 Pleasant St., Worcester, Mass.
- NEWTON, Chas. H. (1912), Secy., and Treas., The Osborne & Stephenson Mfg. Co., 125 W. Main St., and 98 W. Main St., Plainville, Conn.
- NEWTON, George H. (1912), M. E., E. W. Bliss Co., 53rd St. and 1st Ave., Brooklyn, N. Y., and *for mail*, 292 California Ave., Providence, R. I.
- *NEWTON, Guy D. (1914), Maj., E. O. R. C., 601 N. Beatty St., Pittsburgh, Pa.
- NEWTON, Lewis W. (1903), Ch. Tool Des., Simms Magneto Co., Arlington Ave., and Lock Box 152, East Orange, N. J.
- NEWTON, Nathan A. (1914), Sales Mgr., Natl. Transit Pump & Mch. Co., Bridge St., and *for mail*, 15 Stout St., Oil City, Pa.
- NIBECKER, Karl (1908; Associate-Member, 1915), V. P., Imperial Type Metal Co., Sta. A, Box 4, and 2344 Prospect Ave., Cleveland, O.
- NICHOLL, John S. (Junior, 1909), Pres., Riverside Boiler Wks., Inc., 491 Main St., Cambridge, and 51 Holland Rd., Brookline, Mass.
- NICHOLS, Allen E. (Associate-Member, 1917), Designing Engr. Bureau of Waste Disposal, City of Chicago, 2001 City Hall Sq. Bldg., and *for mail*, 5331 Woodlawn Ave., Chicago, Ill.
- NICHOLS, Fred. C. (1913; 1915), Engr., Statistical Dept., The Great Western Sugar Co., 608 Sugar Bldg., Denver, Colo.
- NICHOLS, George B. (1915), Ch. Engr., State of N. Y., Dept. of Arch., Capitol, and 467 Morris St., Albany, N. Y.
- NICHOLS, Melville T. (1913), V. P., Genl. Mgr., Atlantic Paper & Pulp Corp'n, and 335 E. 44th St., Savannah, Ga.
- NICHOLS, William W. (1899), Asst. to Chairman, Allis-Chalmers Mfg. Co., 50 Church St., New York, and Scarsdale, N. Y.
- NICHOLSON, Saml. T. (1904), Pres., Genl. Mgr., Vulcan Iron Wks., and *for mail*, 72 W. River St., Wilkesbarre, Pa.
- NICKEL, Frank F. (1899), M. E., Henry R. Worthington, Harrison, and *for mail*, 27 Winans St., East Orange, N. J.
- NICKERSON, Alvano T. (1901), M. E., Sanderson & Porter, 52 William St., New York, and Ocean View Ave. and Clyde St., Jamaica, L. I., N. Y.

- *NICKERSON, Charles W. (Junior, 1912), Lieut., Asst. Naval Constr., U. S. N., Brooklyn Navy Yard, Brooklyn, and *for mail*, 16 Rochelle Pl., New Rochelle, N. Y.
- NICKERSON, John W. (Junior, 1911), Industrial Engr., Cheney Bros., and *for mail*, 87 Church St., South Manchester, Conn.
- NICKLIN, Ernest W. (Associate, 1915), Second V. P., Sales Mgr., Diamond Power Spec. Co., 80 First St., Detroit, and 309 Monteray Ave., Highland Park, Mich.
- NICOL, George A., Jr. (Associate-Member, 1914), East. Asst. Mgr. R. R. Dept., H. W. Johns-Manville Co., 296 Madison Ave., New York, and 472 E. 4th St., Mt. Vernon, N. Y.
- NICOL, John (Associate-Member, 1914), 4241 S. Grand Ave., St. Louis, Mo.
- NICOLAI, Charles A. (1913), Div. Mgr., Thos. A. Edison, Inc., Orange, and 60 Ella St., Bloomfield, N. J.
- NICOLL, William L. (Junior, 1914), Lockwood, Greene & Co., 101 Park Ave., New York and Newburgh, N. Y.
- NIELANDER, Theodore (1915), M. M., The Andrews Steel Co., Newport, and *for mail*, 19 Ohio Ave., Fort Thomas, Ky.
- *NIELSON, Lawrence H. (Junior, 1916), Nav. Res., Flying Corps, Ch. Engr., B. T. Babbitt, Inc., Fairview, N. J.
- *NIEMEYER, John (Associate, 1916), Capt., Quartermaster Reserve Corps, U. S. A.; Mgr., Engrg. and Statistical Depts., Baker, Vawter & Wolf, 1220 Tribune Bldg., and 941 Glengyle Pl., Chicago, Ill.
- *NIGH, George W. (Junior, 1915), Camp Funston, Kan., and *for mail*, Box 422, Havelock, Neb.
- NILES, Francis H. (Associate, 1907), Magnus Co., Inc., Rm. 1014, 111 Broadway, New York, N. Y., and 117 Edgemont Rd., Upper Montclair, N. J.
- NILSON, Lars G. (1916), Pres., Ch. Engr., Nilson-Miller Co., 1300 Hudson St., and *for mail*, 108 13th St., Hoboken, N. J.
- NINDE, William E. (1899; 1903), Assoc. Prof. M. E., Syracuse Univ., and *for mail*, 939 Maryland Ave., Syracuse, N. Y.
- NIXON, Boyd (Associate, 1915), Sales Engr., Niles Tool Wks. Co., 730 Superior Ave., N. W., and 1900 E. 48th St., Cleveland, O.
- *NIXON-MILLER, Martin (Associate, 1913), O. D., U. S. A., C. and M. E., Prospect Ave., Chestnut Hill, Philadelphia, Pa.
- NOBLE, Arthur C. (Associate-Member, 1916), Genl. M. M., Mining Dept., Wharton Steel Co., Hibernia, N. J.
- NOBLE, Harvey S. (Associate-Member, 1916), Pa. R. R., Commercial Bldg., and 156 E. 6th St., Erie, Pa.
- NOBLE, Howard A. (1916), V. P., Pittsburgh Spring & Steel Co., 1417 Farmers Bank Bldg., and *for mail*, 1235 Shady Ave., Pittsburgh, Pa.
- NOBLE, Patrick (1892), Pres. The Pac. Rolling Mill Co., 17th and Mississippi Sts., San Francisco, and 3056 Hillegass Ave., Berkeley, Cal.
- NOBLE, Robert E. (Junior, 1915), M. E., Mesta Mch. Co., Pittsburgh, and 316 First St., Aspinwall, Pa.
- NOBLE, William A. E. (1913), Genl. Mgr., United Casting Co., and *for mail*, 5419 Russell Ave., Los Angeles, Cal.
- NOFSINGER, Lewis E. (Junior, 1916), Instr. Applied Sciences, Kansas City Poly. Inst., 11th and Locust Sts., and 4509 Gillham Rd., Kansas City, Mo.
- NOLAN, John H. (Junior, 1916), Safety Engr., Ocean Accident & Guarantee Corp'n, 59 John St., New York, N. Y., and *for mail*, care W. H. Hamilton & Co., 114 Milk St., Boston, Mass.
- NOLAN, M. William (1916), 2300 E. Montgomery St., Pittsburgh, Pa.
- NOLAN, Quincea R. (Junior, 1915), Res. Engr., Hillside Cotton Mills, La-Grange, Ga.

- NOLTE, Charles B. (1917), M. E., Robert W. Hunt & Co., 2200 Ins. Exch. Bldg., and *for mail*, 1112 E. 65th St., Chicago, Ill.
- NORCROSS, J. Arnold (1900), Life Member; Secy., Treas., New Haven Gas Light Co., V. P., Derby Gas Co., 80 Crown St., New Haven, Conn.
- NORDBERG, Bruno V. (1893), Pres., Ch. Engr., Nordberg Mfg. Co., and *for mail*, 512 Logan Ave., Milwaukee, Wis.
- NORDBERG, C. Victor (1908), Pres., C. V. Nordberg Mch. Co., 309-311 Daly Bank Bldg., and 2115 Garrison Ave., Butte, Mont.
- NORDEN, Carl L. (Junior, 1908), Cons. Engr., 375 Fulton St., Brooklyn, and Roslyn Estates, Roslyn, L. I., N. Y.
- NORDENHOLT, George F. (Junior, 1916), Inspr., Budd Mfg. Co., and *for mail*, 2041 W. Ontario St., Philadelphia, Pa.
- NORDHEIMER, Albert (Junior, 1916), N. Y. C. R. R. Co., Rm. 5847 Grand Central Terminal, New York and *for mail*, 1099 Gates Ave., Brooklyn, N. Y.
- NORDIN, Arvid (1913), Engr., M. H. Treadwell Co., 140 Cedar St., New York, N. Y.
- NORDMEYER, Louis C. (1899; 1913), Secy., Treas., Tait & Nordmeyer Engrg. Co., 1214 Internatl. Life Bldg., St. Louis, Mo.
- NORELIUS, E. F. (1912; Associate-Member, 1913), M. E. Holt Mfg. Co., Inc., and Y. M. C. A., Peoria, Ill.
- NORRIS, Almon E. (1900), Ch. Engr., Mead-Morrison Mfg. Co., Prescott and Orleans Sts., East Boston, and *for mail*, 47 Gibbs St., Brookline, Mass.
- *NORRIS, A. Murdoch (Junior, 1912), Ensign, Maryland Naval Militia, U. S. N., Mem. of Firm, Chatard & Norris, 304 Continental Bldg., Baltimore, and 3 Norwood Pl., Guilford, Baltimore Co., Md.
- NORRIS, Charles H. (1913), M. E., Am. Hardware Corp., and 227 W. Main St., New Britain, Conn.
- *NORRIS, Earle B. (1915), Capt., O. O. R. C., Field Art. Sec., Carriage Div., O. D., and *for mail*, 1514 17th St., N. W., Washington, D. C.
- NORRIS, Edson R. (1906), Dir. of Mfg. Operations, Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 542 Braddock Ave., Pittsburgh, Pa.
- NORRIS, Edward W. (Junior, 1912), Sales Engr., Mead, Morrisson Mfg. Co., 149 Broadway, and *for mail*, 3-5 W. 8th St., New York, N. Y.
- NORRIS, Henry L. (Junior, 1904), Supt. Bldgs. and Grounds, Columbia Univ. and Faculty Ave., Columbia Univ., New York, N. Y.
- NORRIS, Henry M. (1892; 1898), M. E., The Cincinnati Bickford Tool Co., Oakley, Cincinnati, O.
- *NORRIS, John B., Jr. (Junior, 1915), 1st Lieut., Eng. U. S. R., U. S. Gov't, and *for mail*, 3111 Clifton Ave., Baltimore, Md.
- NORRIS, J. H. (1891; 1905), M. E., Natl. Meter Co., 4207 First Ave., Brooklyn, and 112 Cathedral Parkway, New York, N. Y.
- NORRIS, James U. (Junior, 1907), Asst. Supt., Presbyterian Hospital, 70th St. and Madison Ave., New York, N. Y.
- NORRIS Robert V. (1885; 1891), Cons. Engr., 524 Second Natl. Bank Bldg., and 40 S. Franklin St., Wilkes-Barre, Pa.
- NORRIS, Wm. H. (1904), M. E., The Blenheim, 17th and Chestnut Sts., Philadelphia, Pa.
- NORRMAN, Axel E. (Associate-Member, 1916), Prof., Tech. Univ., Helsingfors, and Loimaa, Finland.
- NORTH, Fred K. (Associate-Member, 1917), Wks. Mgr., Chapman Mfg. Co., and 4 Fairview Terrace, Winchester, Mass.
- NORTH, Herbert B. (1915), Supt., The Sentinel Mfg. Co., and *for mail*, 101 Avon St., New Haven, Conn.
- NORTHCROFT, J. F. S. (Junior, 1912), 611 Commercial and Savings Bldg., and Yosemite Club, Stockton, Cal.

- NORTHRUP, F. B. (1905; 1916), M. E., 106 Day St., Orange, N. J.
- NORTON, Arthur E. (1911), Asst. Prof. Engrg. Drawing, Harvard Univ., Mass. Inst. of Tech., Cambridge, and *for mail*, 39 Centre Ave., Belmont, Mass.
- NORTON, Charles H. (1913), M. E., Norton Grinding Co., and *for mail*, 23 Davidson Rd., Worcester, Mass.
- NORTON, Charles L. (1910), Prof. of Industrial Physics, Mass. Inst. of Tech., Cambridge, and 55 Chestnut St., Boston, Mass.
- NORTON, Fred E. (1907), M. E., 656 Main St., Worcester, Mass.
- NORTON, Homer B. (1911), Ch. Engr., Elk Tanning Co., Rm. 24, Masonic Temple, and *for mail*, 114 Center St., Ridgway, Pa.
- NORVIG, Johan (1913), Field Engr., The New Jersey Zinc Co., of Pa., and *for mail*, 376 Columbia Ave., Palmerton, Pa.
- NOTT, Albin J. (1910; 1917), M. E., Central Ga. Power Co., Macon Ry. & Light Co., 220 Second St., and *for mail*, P. O. Box 43, Macon, Ga.
- NOTTINGHAM, Avon R. (1915), Asst. Prof., M. E., Purdue Univ., Lafayette, and *for mail*, 469 Vine St., West Lafayette, Ind.
- NOURSE, Chester L. (Associate Member, 1915), M. E., The Fiberloid Co., Indian Orchard, and *for mail*, 63 Massachusetts Ave., Springfield, Mass.
- NOURSE, Franklin (1896), Ret. Mfr., P. O. Box 1236, and 187 Nesmith St., Lowell, Mass.
- NOURSE, Ralph C. (Junior, 1917), Asst. Foreman Fdy. Dept., Crompton & Knowles Loom Wks., and *for mail*, 9 Vesper St., Worcester, Mass.
- NOVOTNEY, Thomas A. (Associate Member, 1917), Am. Radiator Co., 816 S. Michigan Ave., and Hotel De Prado, Chicago, Ill.
- NOYES, Henry (1899), Life Member; Merchant, Noyes Bros., Ltd., 499-501 Bourbe St., Melbourne, and "Holmby," Malvern Rd., Malvern, nr. Melbourne, Australia.
- NOYES, Henry T. (Associate, 1904), Treas., Art in Buttons, Inc., 10 Champency Terrace, and 283 Alexander St., Rochester, N. Y.
- NOYES, Jonathan A. (Junior, 1916), Dist. Mgr., Sullivan Mch. Co., Sellwood Bldg., and Lee Apt., Ishpeming, Mich.
- NUNN, P. N. (1904), Wyoming Elec. Co., Casper, Wyo.
- NUSBAUM, Lee (1917), Prop., Pa. Engrg. Co., 1119-21 N. Howard St., Philadelphia, and *for mail*, 141 W. Sharpnack St., Germantown, Philadelphia, Pa.
- NUSIM, Melach J. (1912), Engr. Steam Turbines and Centrifugal Compressors, Southwark Fdy. & Mch. Co., and 843 S. Alden St., Philadelphia, Pa.
- NUTE, Edwin L. (Junior, 1911), Mech. Supt., Converse Rubber Shoe Co., Malden, and 34 Granite St., Melrose, Mass.
- NUTTALL, Frank A. (Junior, 1917), Foreman, Link Belt Co., 39th St. and Stewart Ave., and *for mail*, 638 Groveland Park, Chicago, Ill.
- NUTTER, Charles L. (1915), Treas., Old Colony Fdy. Co., East Bridge-water, Mass.
- NYE, Robert G. (1912), Factory Mgr., Buffalo Forge Co., Buffalo Steam Pump Co., 490 Broadway, and *for mail*, 86 W. Oakwood Pl., Buffalo, N. Y.
- NYE, Theodore H. (1916), Asst. Ch. Draftsman, Morgan Constr. Co., 21 Lincoln St., and 19 Beverly Rd., Worcester, Mass.
- NYGREN, Werner (1914), Cons. Engr., 101 Park Ave., New York, and 81 S. Ocean Ave., Freeport, L. I., N. Y.
- NYROP, Michael (1916), Borgersen & Co., 16 Norrevoldgade, Copenhagen, Denmark.

- OAK, James H. (Associate-Member, 1916), Supt., Natl. Automatic Mch. Co., Brattleboro, Vt., and *for mail*, 18 Hamilton St., Chicopee Falls, Mass.
- OAKES, Ernest A. (1915), Wks. Mgr., Atlas Tack Co., Fairhaven, and *for mail*, 7 Anthony St., New Bedford, Mass.
- OAKES, William H. (1916), V. P., Treas., Buerkel & Co., Inc., 22 Union Park St., Boston, and 100 Upland Rd., Waban, Mass.
- OAKLEY, Alfred W. (Junior, 1915), Engr. Tech. Dept., Merchants Refrig. Co., 161 Chambers St., and *for mail*, 892 Fairmount Pl., New York, N. Y.
- OAKLEY, Clifford H. (1915), Pres., Genl. Mgr., Essex Rubber Co., and 932 Riverside Ave., Trenton, N. J.
- OAKLEY, Walter W. (1913; Associate-Member, 1916), Asst. Engr., Corning Glass Wks., and *for mail*, 32 E. 2nd St., Corning, N. Y.
- *OATLEY, Henry B. (1910), Lieut. (Jr. Grade), U. S. Naval Volunteers, Ch. Engr., Loco. Superheater Co., 30 Church St., New York, and 145 Wilson Ave., Flushing, N. Y.
- OATMAN, Paul B. (Junior, 1912), Cons. Engr., Rm. 501, 2 Rector St., New York, and 259 Parkside Ave., Brooklyn, N. Y.
- OVERG, Erik V. (Associate-Member, 1913), Assoc. Editor, Machinery, 140-148 Lafayette St., New York, and 183 68th St., Brooklyn, N. Y.
- *OBERLIN, Edgar G. (1916), Lieut.-Com. U. S. N., Navy Yard, and *for mail*, 2504 S. Garnet St., Philadelphia, Pa.
- OBERT, Casin W. (1904; 1914), Secy. Boiler Code Com. Am. Soc. M. E., Secy., Am. Soc. Htg. & Vent. Engrs., 29 W. 39th St., New York, and *for mail*, 285 E. 16th St., Brooklyn, N. Y.
- O'BRIEN, Dennis J. (Junior, 1912), Mech. Expt., Galena-Signal Oil Co., and *for mail*, 2337 10th Ave., S., Birmingham, Ala.
- O'BRIEN, John E. (1915), Mech. Supt., Mo. Pac. R. R., 1031 Ry. Exch., and 4343 McPherson Ave., St. Louis, Mo.
- O'BRIEN, Thomas (1914), 3221 Decatur Ave., New York, N. Y.
- O'BRIEN, Thomas C. (Junior, 1916), Engr., Oil Eng. Design Dept., De La Vergne Mch. Co., 138th St. and East River, and *for mail*, 3221 Decatur Ave., New York, N. Y.
- OBRIG, Adolph (1914), Asst. Sales Mgr., Otis Elev. Co., 1373-83 E. 6th St., and 10510 Wilbur Ave., Cleveland, O.
- OCHTMAN, Leonard, Jr. (Junior, 1916), Asst. Ch. Draftsman, Van Blerck Motor Co., and *for mail*, 59 S. Macomb St., Monroe, Mich.
- *O'CONNELL, John J. (1917), Capt., Ord. Dept., U. S. R., Albemarle Bldg., New York, N. Y.
- ODE, Randolph T. (1901; 1908), Secy., Providence Lithograph Co., 353 Prairie Ave., Providence, and 557 Fruit Hill Ave., North Providence, R. I.
- ODELL, W. H. (1880), M. E., 69 Warburton Ave., Yonkers, N. Y.
- OEDERLIN, Frederick (1916), Mem. Genl. Management, Sulzer Bros., Winterthur, and *for mail*, 40 Bleicherweg, Zurich, Switzerland.
- OFFUTT, M. Webb (1910), Cons. Engr., Barnes Bros., 66 Broadway, and 32 W. 40th St., New York, N. Y.
- *OGDEN, Nelson (Associate-Member, 1914), Gun Div., O. D., and *for mail* 1730 Corcoran St., Washington, D. C.
- OGDEN, William H. (Associate, 1915), Cigar Manuf., Wm. H. Ogden & Co., 25 Chenango St., and *for mail*, 99 Oak St., Binghamton, N. Y.
- OGG, James (1913), Honolulu Iron Wks. Co., Honolulu, T. H.
- OGLEBAY, Crispin (Associate, 1914), Pres., The Ferro Mch. & Fdy. Co., and Coil Road and Lake Shore Blvd., Cleveland, O.
- OHLE, Ernest L. (1906; 1908), Prof. M. E., Washington Univ., and 5059a Waterman Ave., St. Louis, Mo.

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- *OHMER, John F., Jr. (Junior, 1915), 1st Lieut., U. S. R., U. S. A., and *for mail*, 354 W. 1st St., Dayton, O.
- OHMES, Arthur K. (1909), Cons. Engr., Tenney & Ohmes, 101 Park Ave., New York, N. Y., and 260 Wash. Pl., Hasbrook Heights, N. J.
- OHREN, George A. (Associate, 1914), Mgr., Nelson Branch, Canadian Ingersoll-Rand Co., Ltd., P. O. Box 1167, Nelson, B. C., Canada.
- OKEY, Perry (1916), Prop., Okey Mfg. Co., 191 E. Naghton St., and *for mail*, 41 S. Monroe Ave., Columbus, O.
- OLDITCH, Frederick W. (1917), Constr. and Designing Engr., Partner, Buxton, Olditch & Cia., Suipacha 602 Tucuman, Buenos Aires, Argentine, S. A.
- OLDS, Alfred W. (1916), A. W. Olds, and Windsor Heights, Windsor, Conn.
- O'LEARY, Daniel (1914), Mchy. Insp., U. S. Shipping Bd., Emergency Fleet Corp'n, and *for mail*, 208 Queen Ann Ave., Seattle, Wash.
- O'LEARY, Frank J. (1911), 33 S. Grove St., East Orange, N. J.
- OLESON, Olaf E. (1914), Pres. and Genl. Mgr., The Edw. Valve & Mfg. Co., 72 W. Adams St., and 2414 N. Kedzie Blvd., Chicago, Ill.
- OLIN, F. W. (Associate, 1895), Pres., Equitable Powder Mfg. Co., West. Cartridge Co., West. Powder Mfg. Co., Pres., Egyptian Powder Co., East Alton, and *for mail*, 1128 State St., Alton, Ill.
- OLIVER, E. C. (Junior, 1902), Mgr., Oliver Instrument Co., and 214 Church St., Adrian, Mich.
- OLMSTEAD, Geo. C. (Junior, 1909), Mgr., Minn. Radiator Co., 722 Metropolitan Life Bldg., and 4418 Xerxes Ave., S., Minneapolis, Minn.
- OLSON, Charles A. (1913), Mgr., Walworth Mfg. Co., 800 Pine St., South Boston, and *for mail*, 59 Marian St., Brookline, Mass.
- OLSON, Charles W. (Associate-Member, 1917), Ch. Tool Designer, Continental Motors Corp'n, and 354 Hamilton Ave., Detroit, Mich.
- OLSON, Fred S. (Associate, 1917), Genl. Supt., Am. Appraisal Co., Stroh Bldg., and 863 Summit Ave., Milwaukee, Wis.
- OLSON, G. B. (Associate-Member, 1916), Process Engr., Remington Arms Union Metallic Cartridge Co., Inc., and *for mail*, 876 North Ave., Bridgeport, Conn.
- OLSON, Louis W. (1915), Factory Mgr., Ohio Brass Co., and *for mail*, 16 Glenwood Blvd., Mansfield, O.
- OLSON, Martin L. (Associate-Member, 1914), Instr. Mech. Drawing, Hyde Park High Sch., and *for mail*, 81 West St., Hyde Park Dist., Boston, Mass.
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- O'NEIL, J. G. (Associate, 1904), Contr. Engr., 1138 Marquette Bldg., and 5919 Calumet Ave., Chicago, Ill.
- O'NEIL, John F. (1908), Pres., Fulton Iron Wks., 1259 Delaware Ave., and 51 Kingsbury Pl., St. Louis, Mo.
- OPHULS, Fred (1914), Pres., Ophuls, Hill & McCreery, Inc., 112-114 W. 42nd St., New York, N. Y.
- OPPERMANN, Fred. M. (1914), Mgr., Nordisch Plate Glass Wks., Kalischtschi, Kreis Peterhof, Petrograd, Russia.
- *ORBISON, T. E. (Associate Member, 1914), 1st Lieut. Engrs., U. S. R., 2nd Co., 2nd Engrs., Officers' Training Camp, Ft. Leavenworth, Kan., Asst. Engr., Thomas W. Orbison, 812 College Ave., Appleton, Wis.
- ORCUTT, Harry F. L. (1900), Managing Dir., Gear Grinding Co., Ltd., Hansworth, Birmingham, and *for mail*, Rowington Hall, nr., Warwick, England.

- ORD, Henry C. (1905), Ch. Engr., Puget Sound Iron & Steel Wks., and *for mail*, 29 St. Helens Ave., Tacoma, Wash.
- ORDWAY, Earl P. (1914; 1917), M. E., Union Steam Pump Co., and 151 Emmett St., Battle Creek, Mich.
- O'ROURKE, Francis W. (Junior, 1917), Tour Foreman, Chemist, Sulfate Mill, care of St. Maurice Paper Co., Ltd., Cap Madeleine, Que., Canada, and 30 Hill St., Saco, Me.
- ORR, Alexander M. (Junior, 1898), Partner, Gielow & Orr, 52 Broadway, and *for mail*, 132 E. 72d St., New York, N. Y.
- ORR, Harold S. (Associate-Member, 1917), Ch. Inspr., Remington Arms Co., Eddystone, and *for mail*, 3245 Chestnut St., Philadelphia, Pa.
- ORR, John (1909), Prof. of Engrg., S. A. Sch. of Mines and Tech., P. O. Box 1176, Johannesburg, Transvaal, S. A.
- ORROK, Geo. A. (1902), Manager, 1911-1914; Cons. Engr., 17 Battery Pl., New York, N. Y., and *for mail*, R. F. D. 2, Willimantic, Conn.
- ORTNER, Louis (1913), Asst. Engr. Power Plant Supervision, Dept. Public Charities, Municipal Bldg., New York, and 644 77th St., Bay Ridge, Brooklyn, N. Y.
- OSBORN, Francis C. (1910), Pres., Genl. Mgr., The F. C. Osborn Co., 45 E. Fort St., and *for mail*, 64 Lawrence Ave., Detroit, Mich.
- OSBORNE, L. Edward (1912), M. E., Loco. Stoker Co., Robinson St., N. S., Pittsburgh, and 126 N. Jackson St., Bellevue, Pa.
- OSBORNE, Loyall A. (1915), V. P., Westinghouse Elec. & Mfg. Co., 165 Broadway, New York, N. Y., and Stockbridge, Mass.
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- OSTER, Eugene A. (Junior, 1917), Engr., The Ault & Wiborg Co., and *for mail*, 2335 Muriel Ct., Cincinnati, O.
- OSTERMAN, Philip C. (1912), Asst. Supt., Am. Gas Furnace Co., Spring and Lafayette Sts., and *for mail*, 19 Stiles St., Elizabeth, N. J.
- OSTERMANN, Rudolf M. (1913), V. P., Loco. Superheater Co., 801 Peoples Gas Bldg., Chicago, and 2206 Orrington Ave., Evanston, Ill.
- OSTGREN, Gottfrid L. (1913), Ch. Engr., The N. J. Zinc Co., Palmerton, Pa.
- OSTRANDER, Allen E. (Associate, 1905), M. E., Am. Car & Fdy. Co., 165 Broadway, New York, N. Y., and 240 Hillcrest Rd., Ridgewood, N. J.
- OTIS, Robert B. (1916), Directing Engr., Bd. of Industrial Ed., Stroh Bldg., and *for mail*, 533 Maryland Ave., Milwaukee, Wis.
- OTIS, Spencer (1890), V. P., Rodger Ballast Car Co., 517 Ry. Exch., Chicago, and Barrington, Ill.
- OTTERSON, John E. (1917), First V. P., Genl. Mgr., Winchester Repeating Arms Co., and 286 Livingston St., New Haven, Conn.
- OTTO, Frederick A. (1913), Mgr., Electric Constr. Co., 129 E. William St., and Oakwood Park, Albert Lea, Minn.
- *OTTO, Henry S. (1909; Associate-Member, 1916), 1st Lieut. Field Art., U. S. R., Headquarters Amer. Exped. Force, Office of the Ch. of Staff, Intelligence Sec., France; Treas., Engr., Albert T. Otto & Sons, 101 Park Ave., New York, and Ardsley, N. Y.
- OTTESEN, Fredrik (1912), Ch. Engr. Gas Eng., Dept., Mesta Mch. Co., and 2307 Eldridge St., Pittsburgh, Pa.

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- OVERN, John, Jr. (1914), Mgr. Hyd. Div., I. P. Morris Dept., Wm. Cramp & Sons Ship & Eng. Bldg. Co., Richmond and Norris Sts., and 2026 Diamond St., Philadelphia, Pa.
- OTTO, Robert W. (1912), Treas., Andrews Htg. Co., Minneapolis, 2529 University Ave., S. E., Minneapolis, and *for mail*, 2147 Carroll Ave., St. Paul, Minn.
- OVESTRUD, Melvin (Junior, 1917), Asst. Genl. Foreman, Munitions Dept., Minneapolis, Steel & Mch. Co., 29th St. and Minnehaha Ave., and *for mail*, 3119 28th Ave., S., Minneapolis, Minn.
- OVIATT, David B. (1891), Asst. Engr., Bd. of Water Supply, City of N. Y., 49 Lafayette St., and 172 W. 109th St., New York, N. Y.
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- OWESEN, Henrik (Junior, 1914), Estimator, Homestead Steel Wks., Munhall, Pa.
- PABODIE, Robert J. (1914), Dist. Mgr., The Griscom-Russell Co., 835 Monadnock Bldg., Chicago, and 1315 S. 6th Ave., Maywood, Ill.
- PACKARD, Horace N. (Junior, 1911), Mech. Engr., Cutler Hammer Mfg. Co., and 567 Farwell Ave., Milwaukee, Wis.
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- PADRON, Augustin (Junior, 1916), F. H. Walter & Co., 65 Rua General Camara, Rio de Janeiro, Brazil, S. A.
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- PALMER, Virgil M. (1905; 1914), Engr. of Indust. Economy, Eastman Kodak Co., and 59 Trafalgar St., Rochester, N. Y.

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- PARCE, Joseph Y. (Associate-Member, 1915), Dir. Shop Wk., Teacher Mch. Shop Wk., Mech. and Elec., Manual H. S., and 2057 Fairfax St., Denver, Colo.
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- PARK, Charles F. (1915), Prof. of Mech. Dir. of the Mech. Labs., Mass. Inst. of Tech., Cambridge, and 21 Prospect St., Taunton, Mass.
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- PARKE, Frederic H. (1916), Res. Engr. S. E. Dist., Westinghouse Air Brake Co., 318 Westinghouse Bldg., and 434 Maple Ave., Edgewood Park, Pittsburgh, Pa.
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- PARKER, Lee H. (1896), Pres., Spray Engrg. Co., 93 Federal St., Boston, and *for mail*, 72 Englewood Ave., Brookline, Mass.
- PARKER, Levin S. (1908), V. P., Vulcan Iron Wks., Inc., foot of Morris St., Jersey City, N. J., and 1814 Ave J., Brooklyn, N. Y.
- PARKER, Lindsay R. (1916), Engr. of Stations, Toronto Hydro-Elec. System, and 606 Huron St., Toronto, Ont., Canada.
- PARKER, Thomas R. (1915), Supt. Eagle Wks., Standard Oil Co., Claremont, Jersey City, and 522 Garfield Ave., Jersey City, N. J.
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- PARKHURST, Frederic A. (Associate, 1904), Organizing Engr., The Aluminum Castings Co., 6205 Carnegie Ave., and 1586 E. 115th St., Cleveland, O.
- *PARKHURST, Harleigh (1913), Maj. F. A., U. S. R., 14th Field Artillery, Fort Sill, Okla., and *for mail*, The Yale Club, New York, N. Y.
- *PARKS, Burritt A. (Associate-Member, 1917), Capt., E. O. R. C., In charge Design of Mech. Equip. for Bldg., Genl. Engr. Depot, 1419 F St., N. W., Washington, D. C.
- PARKS, Edward F. (1916), Ch. Engr., Universal Winding Co., Box 1513, Providence, R. I.
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- *PARR, Harry L. (1910), Lieut., U. S. N. R. F., Asst. Prof. M. E., Columbia Univ., New York, and 35 Gilbert Pl., Yonkers, N. Y.
- PARRIGIN, Homer P. (Junior, 1917), Steam Expt. Steam Engrg. Dept., Ill. Steel Co., Joliet, Ill.
- PARROCK, H. P. (1911), Manager Lumen Bearing Co., 1155 Sycamore St., and 1215 Elmwood Ave., Buffalo, N. Y.
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- PARSONS, George Kingdon (1911), Pres., The G. K. Parsons Corp'n., 120 Broadway, New York, N. Y.
- PARSONS, H. de B. (1885; 1887), Manager, 1915-1918; Cons. Engr., 22 William St., and 36 E. 61st St., New York, Prof. Emeritus, Rensselaer Poly. Inst., Troy, N. Y.
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- PASCALL, Richard H. (1894), Pres., Pickering Governor Co., and 329 Main St., Portland, Conn.
- PASSANO, Edward B. (1912), Pres., Mgr., The Williams & Wilkins Co., 2419-21 Greenmount Ave., Baltimore, and Towson, Md.
- PATCH, James A. (Junior, 1914), Sales Mgr., M. E., Suspension Bearing Co., Spartanburg, S. C., and 114 Prichard St., Fitchburg, Mass.
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- PATERSON, Lester B. (Junior, 1915), Scheduling Engr., N. Y., N. H. & H. R. R., Readville, Mass., and *for mail*, 1001 E. 167th St., New York, N. Y.
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- PATITZ, J. F. Max (1891; 1900), Ch. Cons. E., Allis-Chalmers Mfg. Co., and *for mail*, 1173 38th St., Milwaukee, Wis.
- PATRICK, I. (1914), V. P., Ch. Engr., Consld. Press Co., and 236 W. Green St., Hastings, Mich.
- PATTEN, E. L. Osborne (Junior, 1915), Mech. Supt., Eastern Mfg. Co. Katahdin Pulp & Paper Co. Div., Lincoln, Me.
- PATTERSON, A. W., Jr., (1897; 1903), Vice Pres., The Engineer Co., 17 Battery Pl., N. Y., and 134 3rd Ave., E., Roselle, N. J.
- PATTERSON, Edgar H. (Associate-Member, 1917), Asst. to Ch. Engr., N. Y. Shipbuilding Corp., Camden, and *for mail*, 1012 Prospect Ridge, Haddon Heights, N. J.
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- PATTERSON, Henry R. (1915), Supt. Scott St. Wks., Am. Steel & Wire Co., and 608 Oneida St., Joliet, Ill.
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- PATTON, David C. (Junior, 1912), Pres., Halliwell & Patton Publishing Co., 20 E. Jackson Blvd., also Manager World Press Union Stock Yards, Chicago, Ill., and *for mail*, 10628 Longwood Drive, Chicago, Ill.
- PATTON, John H. (Junior, 1898), Supt., N. Y. Quebracho Extract Co., West and Green Sts., and *for mail*, 1167 President St., Brooklyn, N. Y.
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- PAULSON, Peter A. (1915), Supt. Sulphite Mill, Kimberly-Clark Co., Kimberly and Niagara, and Box 322, Appleton, Wis.
- PAUSIN, Hugo R. (1916; 1917), Supt., E. W. Bliss Co., foot 53d St., and *for mail*, 552 81st St., Brooklyn, N. Y.
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- PAYNE, Sheldon F. (1907), M. E., Goodyear's M. R. Shoe Co., and *for mail*, 32 Spencer St., Naugatuck, Conn.
- PAYSON, T. Elliott (1906; 1914), care of R. W. Millen, 341 Forrest St., Jersey City, N. J.
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- PEACOCK, Edgar A. (1915), Wks. Mgr. Struc. Steel Fdy. and Mch. Shops, Atlantic, Gulf & Pac. Co., P. O. Box 626, Manila, and 150 Buena Vista, Santa Mesa, Manila, P. I.
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- *PENNEY, Rupert L. (Junior, 1906), Capt. O. D., U. S. R., Remington Arms Co., Chester, and 224 Park Ave., Swarthmore, Pa., and *for mail*, 126 Willard St., Westville Sta., New Haven, Conn.
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- PERHAM, Deane E. (Junior, 1916), Sales Engr., The Automatic Refrig. Co., 537-8 Monadnock Bldg., and 6231 Kenwood Ave., Chicago, Ill.
- PERKINS, Edwin A. (1915), Sales Engr., The Norma Co. of Am., 1790 Broadway, New York, and *for mail*, 74 Middletown St., Jamaica, L. I., N. Y.
- PERKINS, G. Hawthorne (1907; 1917), Head Textile Engrg. Dept., Lowell Textile Sch., Lowell, Mass.
- PERKINS, Henry F. (Associate-Member, 1917), Asst. M. E., Worsted Dept., Pacific Mills, Lawrence, Mass., and *for mail*, 46 Walnut Ave., Andover, Mass.
- PERKINS, Julius A. (1911), M. E., 105 W. 163rd St., New York, N. Y.
- PERKINS, L. Arthur (Junior, 1913), Asst. Supt., U. S. Cast Iron Pipe & Fdy. Co., and *for mail*, 612 16th St., Bessemer, Ala.
- PERKINS, Nathan W., Jr. (1913), Engr., Designer, Ellis Adding-Type-writer Co., 338 Elizabeth Ave., Newark, and 130 S. Parkway, East Orange, N. J.
- PERKINS, Rowan P. (Associate-Member, 1914), Combustion Engr's. Office, The United Gas Improvement Co., 1401 Arch St., and *for mail*, 2005 De Lancey St., Philadelphia, Pa.
- PERKS, George W. (1908), Supt., Am. Seeding Mch. Co., and 1325 E. High St., Springfield, O.
- PERRY, Ernest B. (1907), Mgr., Industrial Wks., and 2230 Center Ave., Bay City, Mich.
- PERRY, Frank B. (1902; 1908), Commer. Engr., Genl. Elec. Co., 84 State St., Boston, and *for mail*, 53 Stearns St., Newton Centre, Mass.
- PERRY, George A. (1912), M. E., Jones & Lamson Mch. Co., and 16 Orchard St., Springfield, Vt.
- PERRY, Ralph H. (Junior, 1915), Progressive Mfg. Co., Norwood St., and 321 Prospect St., Torrington, Conn.
- PERRY, Samuel B. (Junior, 1895), 337 Mather St., Syracuse, N. Y.
- PERRY, Thomas D. (Associate-Member, 1917), Secy., Grand Rapids Veneer Wks., 800 1000 Front St., N. W., Grand Rapids, and *for mail*, R. R. 1, Comstock Park, Kent Co., Mich.
- PERSIANI, Charles C. (Associate, 1916), Treas., Clark Bros. Bolt Co., Milldale, and Plantaville, Conn.
- PERSONS, J. O. (1916), Wks. Engr., Remington Arms & Ammunition Co., and *for mail*, 83 Yale St., Bridgeport, Conn.
- PESSANO, Antonio C. (1898), Pres., Great Lakes Engrg. Wks., Detroit, Mich.
- PETER, Albert G. (Junior, 1916), Plant Engr., Chain Belt Co., and *for mail*, 804 Chestnut St., Milwaukee, Wis.
- *PETERS, Clifford H. (Junior, 1916), Lieut. O. O., U. S. R., Ord. Office, F. A. Section, 1800 E St., N. W., Washington, D. C.

- *PETERS, Heber C. (1916), Signal Corps, U. S. A., Inspec. and Specifications Sec., M. E., 2262 Woolworth Bldg., and 39 Claremont Ave., New York, N. Y.
- PETERS, R. F. (1913), M. E., Frisco Lines, St. L. S. F. Ry. Co., Frisco Bldg., and 759 South St., Springfield, Mo.
- PETERSEN, Sverre (1914), Ch. Engr., Lucey Mfg. Corp'n of Tenn., and *for mail*, 54 Hardwick-Hogshead Apt., Chattanooga, Tenn.
- PETERSON, Carl H. (1910), Southwestern Rep., The Baldwin Loco. Wks., Stand. Steel Wks. Co., 1210 Boatmen's Bank Bldg., St. Louis, and 509 Lockwood Ave., Webster Groves, Mo.
- PETERSON, Edward T. (1913), Ch. Draftsman Engrg. Dept., Am. Steel & Wire Co., 1161 Frick Annex, Pittsburgh, Pa.
- PETERSON, Emil A. (1914), Treas., Mgr., Valley Iron Wks. Co., and *for mail*, 516 Alton St., Appleton, Wis.
- PETERSON, Eric H. A. (1916), Mech. and Refrig. Engr., Ford Motor Co., Highland Park, and *for mail*, 353 Palmer Park Blvd., W., Detroit, Mich.
- PETERSON, Franklin C. (1912), Mech. Engr., 641 Lyman Ave., Oak Park, Ill.
- PETERSON, John W. (1911), V. P., Gen. Mgr., Richardson-Phoenix Co., 122-8 Reservoir Ave., and 600 Farwell Ave., Milwaukee, Wis.
- PETERSON, W. H. (Associate, 1913), Sales Engr., Minneapolis Steel & Mch. Co., 2854 Minnehaha Ave., and *for mail*, 162 Orlin Ave., Minneapolis, Minn.
- PETTERSON, A. Hugo (1917), Contg. Engr., The Mt. Vernon Bridge Co., and *for mail*, 506 E. Gambier St., Mt. Vernon, Ohio.
- PETTINOS, George F. (1913), Pettinos Bros., 305 N. 15th St., Philadelphia, and *for mail*, 312 Beacon Lane, Merion, Pa.
- PETTIS, Clifton D. (1905), V. P., Wks. Mgr., Am. Brake Shoe & Fdy. Co., 30 Church St., and 14 E. 60th St., New York, N. Y.
- PETTIS, John G. (Junior, 1917), M. E., Imperial Brass Mfg. Co., 1200 Harrison St., and *for mail*, 3864 Lak Park Ave., Chicago, Ill.
- PEW, Joseph N., Jr. (Associate-Member, 1915), V. P., Sun Co., 19th Floor, Finance Bldg., 1428 S. Penn Sq., Philadelphia, and Bryn Mawr., Pa.
- PFAU, Arnold (1913), Cons. Engr. Hyd. Dept., Allis-Chalmers Mfg. Co., and *for mail*, 3011 McKinley Blvd., Milwaukee, Wis.
- PFEFFER, John E. (1915), V. P., M. E., Continental Engrg. Co., 2023 Michigan Ave., and *for mail*, 901 Webster Ave., Chicago, Ill.
- PFEIFFER, Bernard V. (Junior, 1914), Engr., Nashville Gas & Htg. Co., 611 Church St., and Y. M. C. A., Nashville, Tenn.
- PFEIFFER, Charles G. (1913), Mem. of Firm, Specialty Engrg. Co., Allegheny & Trenton Ave., and *for mail*, 1338 Pike St., Philadelphia, Pa.
- PFISTERER, George E. (Junior, 1913), 4538 Malden St., Chicago, Ill.
- PHARR, Eugene A. (1908), Sugar Planter, Mfr., J. N. Pharr & Sons, Ltd., Morgan City, La.
- PHARR, Henry N. (1907), Sugar Planter, Mfr., Iberia Parish, Olivier, La.
- PHELPS, Charles C. (1909; Associate-Member, 1916), Publicity Dept., Ingersoll-Rand Co., 11 Broadway, N. Y., and 119 Third St., Town of Union, N. J.
- PHELPS, Cleon E. (Junior, 1911), Asst. Dir. Shop Labs., Univ. of Ill., and *for mail*, 609 Indiana Ave., Urbana, Ill.
- PHELPS, Frederick A. (1892), M. E., Mill Arch., 9-15 Clinton St., Newark, and 100 Glenwood Ave., East Orange, N. J.
- PHELPS, John T. (Junior, 1916), Gen. Elec. Co., and *for mail*, 16 Bellingham Ave., Everett, Mass.

- PHELPS, Paul (Associate-Member, 1915), Engr., Jeffrey Mfg. Co., and *for mail*, 411 E. 15th Ave., Columbus, O.
 PHILBRICK, Frank B. (1891), M. E., Waterville Iron Wks., and *for mail*, 20 College Ave., Waterville, Me.
 PHILBRICK, Herbert S. (1907; 1913), Prof. M. E., Northwestern Univ., and *for mail*, 2130 Sherman Ave., Evanston, Ill.
 PHILIPP, Paul C. (Associate, 1913), Pres., P. C. Philipp Engrg. Corp'n, Real Estate Trust Bldg., and 5308 Angora Terrace, Philadelphia, Pa.
 PHILLEO, George W. (1915), Burma Mines Co., Ltd., Namtu, Northern Shore States, Burma, India.
 PHILLIPS, Cecil O. (1914), Secy., Union Seed & Fertilizer Co., 65 Broadway, New York, and Chappaqua, N. Y.
 PHILLIPS, Charles H. (1914), Genl. Mgr., West Va. Aircraft Co., Wheeling, W. Va., and 85 Manchester Pl., Buffalo, N. Y.
 PHILLIPS, Edmund M. (Associate-Member, 1917), Leading Draftsman Steam Turbine Dept., Genl. Elec. Co., West Lynn, and 286 Eastern Ave., East Lynn, Mass.
 PHILLIPS, Ellis L. (Junior, 1901), Pres., E. L. Phillips & Co., 50 Church St., and 575 Riverside Drive, New York, N. Y.
 PHILLIPS, Leon R. (Junior, 1914), Mech. Asst. Constr. Dept., Swift & Co., 60 N. Market St., Boston, Mass., and 104 E. Steuben St., Bath, N. Y.
 PHILLIPS, Victor B. (Junior, 1917), Engrg. Asst. to Supt. of Power, The Cleveland Ry. Co., Leader-News Bldg., and *for mail*, 1818 E. 105th St., Cleveland, O.
 PHIPPS, Walter (1914), Genl. Mgr., The Hercules Motor Mfg. Co., Canton, Ohio, and 605 Field Ave., Detroit, Mich.
 *PICCARD, Jules E. (Junior, 1916), 1st Lieut., Coast Artillery Corps, U. S. Army, Ft. Sherman, C. Z., and *for mail*, 1233 Fulton St., Brooklyn, N. Y.
 PICKEL, Harry A. (Associate-Member, 1917), Supt. of Power, Hercules Powder Co., Kenil, N. J.
 PICKLES, John F. (Associate-Member, 1917), with W. F. Pickles, Buckland, Conn.
 PICKOP, George B. (1908), Asst. Supt., Malleable Iron Fittings Co., Branford, and *for mail*, 165 Townsend Ave., New Haven, Conn.
 PIEK, Stefaan (1915), Genl. Mgr., Niagara Lockport & Ont. Power Co., 1638 Marine Natl. Bank Bldg., Buffalo, N. Y.
 PIERCE, Burton B. (1913), Supt., Ch. Engr., Wash. Portland Cement Co., Concrete, Wash.
 PIERCE, Edward L. (1898), Pres. Solvay Process Co., Vice Pres. Semet Solvay Co. By-Prod. Coke Corp., Pres. Solvay Collieries Co., P. O. Drawer 2, Syracuse, N. Y.
 PIERCE, Frederic E. (1909), Cons. Engr., Pierce & Skoymark, Inc., 35 Nassau St., and 10 W. 43rd St., New York, N. Y.
 PIERCE, H. M. (1917), Ch. Engr., E. I. duPont de Nemours & Co., Dupont Bldg., and *for mail*, 2006 Blvd., Wilmington, Del.
 PIERCY, Edgar (1891), 218 Washington Ave., Elyria, O.
 PIERIE, Henry C. (1911), Engr., The R. K. LeBlond Mch. Tool Co., 2609 Eastern Ave., and 3511 Ritchie Ave., Hyde Park, Cincinnati, O.
 PIERPONT, Robert (1911), Mgr., Dalton Mfg. Corp'n, 1915 Park Ave., New York, N. Y., and *for mail*, 204 Fairfield Ave., Stamford, Conn.
 PIERSEN, David B. (Associate, 1913), V. P., Genl. Mgr., Stephens-Adamson Mfg. Co., and *for mail*, 488 Garfield Ave., Aurora, Ill.
 PIEZ, Charles (1894), Pres., Treas., Link Belt Co., 329 W. 39th St., and 55th St., and South Shore Drive, Chicago, Ill.

- PIGOTT, Reginald, J. S. (1912; Associate-Member, 1913), Supt., Raw Materials Dept., Bridgeport Brass Co., and University Club, Bridgeport, Conn.
- PILCHER, John A. (1895; 1904), M. E., Norfolk & West. Ry. Co., and *for mail*, 436 Walnut Ave., S. W., Roanoke, Va.
- PILLSBURY, Charles L. (1912), Partner, Chas. L. Pillsbury Co., 805-13 Metropolitan Life Bldg., and 2305 Oliver Ave., S., Minneapolis, Minn.
- PINCH, Harry H. (1914), 114 Furby St., Winnipeg, Man., Canada.
- PINGER, George C. (Junior, 1907), M. E., Concrete Steel Co., 42 Broadway, and *for mail*, 65 Park Ave., New York, N. Y.
- PINGREE, Edwin D. (1905), V. P., Engr., Mfrs. Mutual Fire Ins. Co., 815 Grosvenor Bldg., and 99 Hamilton St., Providence, R. I.
- PINKERTON, Andrew (1892), E. E., Am. Sheet & Tin Plate Co., Rm. 1008, Frick Bldg., and *for mail*, P. O. Box 427, Pittsburgh, and 6605 Virginia Ave., Ben Avon, Pa.
- PINKNEY, David H. (1915), M. E., Pipe Mill Dept., The Natl. Tube Co., Lorain, and *for mail*, 142 Princeton Ave., Elyria, O.
- PINNEY, H. H. (1913), V. P., The Remington Arms Union Metallic Cartridge Co., Inc., Bridgeport, Conn., and *for mail*, 116 E. 58th St., New York, N. Y.
- *PIRIE, Hugh L. (Associate-Member, 1916), Capt.; Insp. of Ordnance Mch., British Army O. D., and *for mail*, 59 Wiltshire Rd., Brixton, London, S. W. G., England.
- PITKIN, Stephen H. (1891), Vice Pres., Wellman Seaver Morgan Co., Cleveland, and *for mail*, 682 W. Market St., Akron, O.
- PITMAN, Stephan M. (Associate, 1892), V. P., Narragansett Mut. Fire Ins. Co., and *for mail*, 125 George St., Providence, R. I.
- PITT, A. A. (1917), Pres., Pitt Engineering Co., 120 W. Kinzie St., Chicago, and 212 Park Ave., Park Ridge, Ill.
- PITTS, Guy C. (Junior, 1917), Asst. M. E., Federal Shipbuilding Co., 54 Dey St., New York, N. Y., and *for mail*, 84 Snyder St., Orange, N. J.
- PITTSFORD, William A. (Associate-Member, 1917), M. E., Kewanee Boiler Co., Kewanee, and *for mail*, 20 N. Waller Ave., Chicago, Ill.
- PLACE, Clyde R. (Associate, 1907), Cons. Engr., Grand Central Terminal, New York, N. Y., and River Edge, N. J.
- PLANCHE, Etienne (1917), Ch. Engr., Dort Motor Car Co., and 2125 Detroit St., Flint, Mich.
- PLANK, William J. (Junior, 1916), Draftsman, Mech. Div., The Panama Canal, and P. O. Box 767, Balboa, C. Z., Panama.
- PLANT, John W. (1911), Sales Engr., Am. Manganese Steel Co., 522 Insurance Exch. Bldg., San Francisco, and San Mateo, Cal.
- PLANTINGA, Pierre (Junior, 1894), Pres., Gas Mch. Co., 1900 Euclid Ave., and 1913 E. 73d St., Cleveland, O.
- PLATT, John (1889; 1890), Pres., John Platt & Co., 97 Cedar St., New York, N. Y., and Westfield, Union Co., N. J.
- PLATT, Wilber O. (1902), V. P., Supt., Jos. Reid Gas Eng. Co., Oil City, Pa.
- PLATTS, C. Arthur (Associate-Member, 1915), Transportation Engr., The Kelly-Springfield Motor Truck Co., 596 Commonwealth Ave., Boston, and *for mail*, 399 Salem St., Medford, Mass.
- PLEASANTON, F. Rodney (1908; 1917), Asst. Wks. Mgr., Remington Arms Union Metallic Cartridge Co., Inc., Remington Bridgeport Wks., and *for mail*, 206 Park Pl., Bridgeport, Conn.
- PLETZ, Arthur C. (Associate-Member, 1917), Genl. Mgr., The Morris Mch. Tool Co., Court and Harriet Sts., and *for mail*, 2413 Salutaris Ave., Cincinnati, O.
- PLOCINSKY, Abe J. (Junior, 1917), Draftsman, Am. Steel & Wire Co., 523 Madison St., Waukegan, and *for mail*, 1505 S. St. Louis Ave., Chicago, Ill.

- PLONSKER, Maurice J. (Junior, 1917), Mch. Designer, Lidgerwood Mfg. Co., Dikeman St., and *for mail*, 429 Miller Ave., Brooklyn, N. Y.
- PLUMB, Frederic H. (Associate, 1916), Sales Mgr., The Stand. Supply & Equip. Co., N. W. Cor. 13th and Cherry Sts., Philadelphia, and Drexel Hill, Pa.
- PLUMB, Harold B. (1913), Secy., Ia. Dairy Separator Co., and *for mail*, 505 Franklin St., Waterloo, Ia.
- PLUNKETT, Charles T. (1909), Vice-President, 1916-1918; Pres., Berkshire Cotton Mfg. Co., and 8 Park St., Adams, Mass.
- POGUE, George D. (1916), Sales Mgr., Fulton Iron Wks., and *for mail*, 16 Parkland Pl., St. Louis, Mo.
- POHLE, Richard F. (Junior, 1913), Secy., Treas. Lynn Tool & Mch. Co., 334 Broad St., and *for mail*, Box 114, Lynn, Mass.
- POHLE, Walter B., (Junior, 1917), Ch. Draftsman and Engr., Nelson Blower and Furnace Co., 11 Elkins St., S. Boston, and 2 Fernwood St., E. Lynn, Mass.
- POIRIER, Austin E. (Junior, 1917), Draftsman, Am. Tube & Stamping Co., and *for mail*, 122 Poplar St., Bridgeport, Conn.
- POLAKOV, Walter N. (1913), Cons. Engr., Suite 1209, 31 Nassau St., and Hotel Des Artistes, New York, N. Y.
- POLEK, Joseph (Junior, 1916), Foreman Torpedo Dept., E. W. Bliss Co., 53rd St. and 2nd Ave., and *for mail*, 2321 Hughes St., Brooklyn, N. Y.
- POLK, Anderson (Associate, 1904), Sales & Cons. Engr., Harrisons, Inc. (du Pont), 35th and Grays Ferry Rd., and *for mail*, 2902 St. Paul St., Baltimore, Md.
- POLK, Roger W. (1916), Cons. Gas. Engr., 193 Washington Ave., Providence, R. I., and *for mail*, Edgewater Beach Hotel, Chicago, Ill.
- POLLAK, Charles P. (Associate, 1901), 32 W. 40th St., New York, N. Y.
- POLLAK, Julian A. (1916), Secy., The Pollak Steel Co., P. O. Box 678, and 927 Redway Ave., Cincinnati, O.
- POLLARD, Seabury G. (1912), Cons. Hyd. and Sanitary Engr., 3422 Burch Ave., Cincinnati, O.
- POLLEDO, Y. (1888; 1916), Manzaneda 16, Matanzas, Cuba.
- POLSON, Joseph A. (1906; 1912), Prof. M. E., Mich. Agri. College, East Lansing, Mich.
- POMEROY, William D. (1908), V. P., Genl. Mgr., The Goulds Mfg. Co., and *for mail*, 27 Cayuga St., Seneca Falls, N. Y.
- POND, Henry O. (1904; 1907), Managing Engr., E. B. Cadwell & Co., Inc., 25 Broad St., New York, N. Y., and *for mail*, Tenafly, N. J.
- POOK, Charles H. O. (1915), Mgr. of Wks., Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canada.
- POOL, John F. (1914), M. E., 1361 Dean St., Brooklyn, N. Y.
- POOLE, Cecil P. (1909), City M. E., Cons. Engr., City Hall, and *for mail*, P. O. Box 774, and 341 Juniper St., Atlanta, Ga.
- POOLE, Ernest J. (1915), Genl. Supt., The Carpenter Steel Co., 43 Exeter St., and 222 N. 4th St., Reading, Pa.
- POPE, Chas. E. (1897), 1908 E. 73d St., Cleveland, O.
- *POPE, Clarence J. (Junior, 1914), 1st Lieut., O. D., U. S. R., Motor Sec., Washington, D. C.
- *POPE, Frederick (1913), Capt. 30th Engrs., Gas and Flame Div.; Pres., Moses. Pope & Trainer, Inc., 366 Fifth Ave., New York and Scarsdale, N. Y.
- *POPE, Harold L. (1905; 1912), Q. M., O. R. C., and Factory Mgr., Glenn L. Martin Co., 937 S. Los Angeles St., Los Angeles, Cal.
- POPE, Joseph (Associate-Member, 1915), Engr., The Am. International Shipbuilding Corp'n, 140 N. Broad St., Phila., and 327 E. Dorset St., Germantown, Philadelphia, Pa.

- POPE, Samuel A. (Junior, 1915), Estimator, Wm. A. Pope, 26 N. Jefferson St., and Chicago Athletic Ass'n, 12 S. Mich. Ave., Chicago, Ill.
- POPPENHUSEN, P. Albert (1912), Pres., Green Engrg. Co., 14 E. Jackson St., and Chicago Athletic Ass'n, 12 S. Mich. Ave., Chicago, Ill.
- PORTER, Charles T. (Junior, 1913), Instr. M. E., Yale Univ., 400 Temple St., and 34 Livingston St., New Haven, Conn.
- PORTER, David B. (Junior, 1916), Member of Efficiency Staff, Frankford Arsenal, Philadelphia, and *for mail*, 5015 Griscom St., Frankford, Pa.
- PORTER, Finley R. (1913), Pres., Finley Robertson Porter Co., Port Jefferson, L. I., N. Y.
- PORTER, H. Hobart (1902), Partner, Sanderson & Porter, 52 William St., New York, and Lawrence, L. I., N. Y.
- PORTER, Holbrook F. J. (1880; 1884), Cons. Industrial Engr., 200 Fifth Ave., and 67 W. 12th St., New York, N. Y.
- PORTER, Hollis P. (1910), Supt. Gas Dept., Gypsy Oil Co., Box B, and 1746 S. Main St., Tulsa, Okla.
- PORTER, J. Benton (1914), Engr., Elec. Ship Propulsion Wk., Genl. Elec. Co., and 1527 Spruce St., Philadelphia, Pa.
- PORTER, LaFayette L. (Junior, 1914), Mem. Exec. Staff, Stand. Oil Co. of N. Y., Karachi, India.
- PORTER, Robert (Junior, 1916), Engr., Hyatt Roller Bearing Co., Newark, N. J., and *for mail*, P. O. Box 697, Worcester, Mass.
- PORTER, Will R. (1910; 1913), Mfg. Supt., S. S. White Dental Mfg. Co., and *for mail*, 5941 Amboy Rd., Prince Bay, S. I., N. Y.
- PORTERFIELD, Henry A. (1890), Mgr., Dexter Oil Co., German Natl. Bank Bldg., Pittsburgh, Pa.
- POSEY, James (Junior, 1907), Cons. Engr., 925 Fidelity Bldg., and 4008 Liberty Heights Ave., Baltimore, Md.
- POSGATE, James S. (1912), Eagle Oil Co., Tampico, Mex.
- POSSELT, Ejnar (1907; 1913), Cons. Engr., E. Possett & Co., 511 Ideal Bldg., and Denver Athletic Club, Denver, Colo.
- POSTMAN, Benjamin (Junior, 1917), Dept. of Navy Bureau of Constr. and Repair, and *for mail*, 40 New York Ave., N. W., Washington, D. C.
- POTBURY, Alfred H. (1911), M. E. with Robert Dalziel, Jr., 218 First St., San Francisco, and *for mail*, 1530 La Loma Ave., Berkeley, Cal.
- POTTER, Andrey A. (1912), Dean Div. of Engrg., Prof. M. E., Kan. State Agri. College, and 1328 Fremont St., Manhattan, Kan.
- POTTER, Nathan S., Jr. (Associate-Member, 1914), V. P., Genl. Mgr., Mich. Portland Cement Co., Chelsea, and 1926 Norway Rd., Ann Arbor, Mich.
- POTTER, Philip A. (1911), Treas., Crownshield Trading Corp., 30 Church St., New York, N. Y., and Hollywood Ave. and Fairlawn St., Hohokus, N. J.
- POTTER, Wm. Bancroft (1897), Engr. Ry. and Traction Dept., Genl. Elec. Co., and 9 Morris Ave., Schenectady, N. Y.
- POULTNEY, E. Cecil (1916), British Ministry of Munitions of War, 120 Broadway, New York, N. Y., and "Springfields," West Bronwich, Staffordshire, England.
- POULTNEY, John L. (1908), Engr., The J. G. Brill Co., 62nd and Woodland Ave., Philadelphia, and Haverford, Pa.
- *POUND, Joseph H. (Junior, 1915), 90th Div., O. D., Instr. M. E., Rice Inst., Houston, Tex.
- POWEL, Samuel W. (1880), M. E., Am. Radiator Co., 1807 Elmwood Ave., and *for mail*, 679 Auburn Ave., Buffalo, N. Y.
- POWELL, Albert M. (1917), Pres., Cons. Engr., Powell Mch. Co., 243 Stafford St., and P. O. Box 793, Worcester, Mass.

- POWELL, E. Burnley (1904; 1912), Betterment Engr., Stone & Webster, 147 Milk St., Boston, and 54 Dwight St., Brookline, Mass.
- POWELL, Marcus (Associate, 1897), Mgr., Crosby Steam Gage & Valve Co., 44 Dey St., New York, N. Y., and Avon-by-the-Sea, N. J.
- *POWELL, Paul R. (Junior, 1916), First Lieut. Engr., O. R. C., U. S. A., and *for mail*, Stony Run Lane, Univ. Parkway, Baltimore, Md.
- POWELL, W. Ward (Junior, 1917), Asst. Sales Mgr., Mesta Mch. Co., P. O. Box 1124, Pittsburgh, Pa.
- POWER, George S. (1916), Dept. Mgr., Supt., M. E., Wickes Bros., Saginaw, Mich., and *for mail*, 102 W. 36th St., Bayonne, N. J.
- POWER, Pomeroy W. (1903), M. E., Genl. Elec. Co., and *for mail*, 306 South St., Pittsfield, Mass.
- POWERS, Alfred R. (Associate-Member, 1914), Prof. E. E., Charge Experiments, M. E. and Hyd., Clarkson College of Tech., Potsdam, N. Y.
- POWERS, James (1913), 740 West End Ave., New York, N. Y.
- POWERS, Richard E. (Associate-Member, 1917), Factory Engr., Oneida Community, Ltd., Oneida, and *for mail*, Sherrill, N. Y.
- PRATHER, H. B. (1893; 1895; 1898), Cons. Engr., 662 Rockefeller Bldg., and 2234 E. 80th St., Cleveland, O.
- PRATT, Arthur D. (1916), Asst. to Advls. Engr., The Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and Summit, N. J.
- PRATT, Auguste G. (1915), Second V. P., The Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and *for mail*, Walnut St., Englewood, N. J.
- PRATT, Edward W. (1916), Asst. Supt. M. P. and Mchy., C. & N. W. Ry. Co., P. O. Sta. E, Chicago, and 215 N. Oak Park Ave., Oak Park, Ill.
- PRATT, Francis C. (1892; 1897), Asst. to Pres., Genl. Elec. Co., and Front St. and Governor's Lane, Schenectady, N. Y.
- PRATT, Frederick R. (1914), Mech. Supt., D. Goff & Sons, Pawtucket, and *for mail*, 106 Cross St., Central Falls, R. I.
- PRATT, Harold H. (1916), Asst. Cons. Engr., Phelps, Dodge Corp'n, and *for mail*, 1370 11th St., Douglas, Ariz.
- PRATT, Henry F. (Junior, 1913), Sales Engr., Taylor-Wharton Iron & Steel Co., 30 Church St., New York, N. Y., and 150 N. Munn St., East Orange, N. J.
- PRATT, James A. (1908; 1910), Dir., Williamson Free Sch. of Mech. Trades, Williamson School P. O., Delaware Co., Pa.
- PRATT, Lewis W. (Junior, 1916), Safety Inspr., Aetna Life Ins. Co., Bureau of Inspec. and Accident Prevention, 650 Main St., and *for mail*, Apt. 55, The Linden, Hartford, Conn.
- PRATT, Merrill E. (Junior, 1917), Asst. Genl. Supt., Continental Gin Co., and 3398 Highland Ave., Birmingham, Ala.
- PRELLWITZ, William (1900), Ch. Engr., Ingersoll-Rand Co., Phillipsburg, N. J., and *for mail*, 66 N. 3d St., Easton, Pa.
- PRENTICE, Donald B. (Junior, 1913), Asst. Prof. M. E., Lafayette College, and 151 Parker Ave., Easton, Pa.
- PRENTICE, John (1913), Asst. Supt., The Babcock & Wilcox Co., and 83 Broadway, Bayonne, N. J.
- PRESCOTT, Fred M. (1901), Manager, 1905-1908; Pres., The Prescott Co., Menominee, Mich.
- PRESSINGER, Harry E. (1915), Prof. M. E., Asst. Dean, Univ. of Detroit, and 122 Begole St., Detroit, Mich.
- PRESSINGER, W. P. (Associate, 1903), Mgr. Compressor and Eng. Dept., Chicago Pneu. Tool Co., 1010 Fisher Bldg., Chicago and Moraine Hotel, Highland Park, Ill.
- PREST, Harold M. (Junior, 1915), Engrg. Dept., H. R. Worthington, Harrison, and *for mail*, 5 Mosswood Ave., Orange, N. J.

- PRESTON, George B. (1891), The J. G. White Engrg. Corp'n, 43 Exchange Pl., New York, N. Y., and 200 Sylvan Ave., Leonia, N. J.
- PRESTON, Ralph A. D. (Junior, 1912), Mgr. Goodyear Balloon Sch., The Goodyear Tire & Rubber Co., and 132 Rhodes Ave., Akron, O.
- PRICE, Albert M. (1889; 1904), and *for mail*, 825 Douglas Ave., Elgin, Ill.
- PRICE, Henry M. (1912), Spec. Rep., The Lamson Co., 222 Colorado Bldg., Washington, D. C., and *for mail*, 1701 Madison Ave., Baltimore, Md.
- PRICE, John B. (Associate-Member, 1916), Sales Engr., The Mech. Appliance Co., of Milwaukee, Wis., 515 Mercantile Library Bldg., Cincinnati, O.
- PRICE, Melvin (Associate, 1905), Asst. Prof. Mch. Design, Univ. of Rochester, and 467 Park Ave., Rochester, N. Y.
- PRICE, Norman I. (Junior, 1902), Price & Martyn, 68 ½ Pitt St., Sydney, N. S. W., Australia.
- PRICE, William T. (1910; 1914; 1916), Pres. and Ch. Engr., Price Engine Corp'n, 110 W. 40th St., New York, and 129 Sickels Ave., New Rochelle, N. Y.
- PRIEBE, Ernest B. (Junior, 1916), Erecting Engr., Am. Engrg. Co., Sta. K, Philadelphia, and *for mail*, 658 Tenth Ave., Norwood, Pa.
- PRIMROSE, John (1907), Ch. Engr., Power Spec. Co., 111 Broadway, New York, N. Y.
- PRINCE, Duffield (1916), Henry L. Doherty & Co., 60 Wall St., New York, N. Y., and 133 Watchung Ave., Montclair, N. J.
- PRINCE, Walter F. (1905), Supt. Fdy. Dept., Am. Brake Shoe & Fdy. Co., Mahwah, and 1365 North Ave., Elizabeth, N. J.
- PRINDLE, Edwin J. (1910), Lawyer, Prindle, Wright & Small, 111 Broadway, New York, N. Y., and 519 Park Ave., East Orange, N. J.
- PRINDLE, Harry B. (Associate, 1916), Buyer Export Dept., J. P. Morgan & Co., 23 Wall St., New York, N. Y., and Riverside, Conn.
- PRINGLE, Nelson S. (Associate-Member, 1914), Asst. Engr., The Auto-car Co., and *for mail*, 124 Sibley Ave., Ardmore, Pa.
- PRIOR, Wilbur C. (Junior, 1913), Ch. Draftsman, Eaton, Crane & Pike Co., S. Church St., and *for mail*, 473 West St., Pittsfield, Mass.
- PRITCHETT, Carl E. (Associate-Member, 1917), Htg. and Vent. Engr., Westinghouse Elec. and Mfg. Co., East Pittsburgh, and *for mail*, 418 Rebecca St., Wilkesburg, Pa.
- PROAL, Arthur B., Jr. (1905), Sales Engr., Robins Conveying Belt Co., 13 Park Row, New York, N. Y., and *for mail*, 30 Edgewood Ave., Nutley, N. J.
- PROCTOR, Redfield (1905; Associate, 1906), Genl. Sales Agt. Vt. Marble Co., Proctor, Vt.
- PROSSER, Joseph G. (1891; 1898), 1301 E. 60th St., Chicago, Ill.
- PROSSER, Thomas (Associate, 1893), Thomas Prosser & Son, 15 Gold St., New York, N. Y.
- PROUTT, Frederick G. (1915), Cons. Engr., 374 Randolph Bldg., and 708 Tate Ave., Memphis, Tenn.
- PROZAN, Moses (Junior, 1917), Draftsman, Wm. Garrigue & Co., Tribune Bldg., New York and *for mail*, 271 Schenectady Ave., Brooklyn, N. Y.
- PRUSSING, Rudolph E. (1915), Detroit Mgr., Whiting Fdy. Equip Co., 318 Penobscot Bldg., Detroit, Mich.
- PRYOR, Frederick L. (1900; 1906), Prof. Exner. Engrg., Stevens Inst. of Tech., Hoboken, and 421 Fourth Ave., Newark, N. J.
- PRYOR, Robert W., Jr. (1907; 1913), Mem. of Firm, Koithan & Pryor, 39 Cortlandt St., New York, N. Y.
- PRYOR, Willard L. (Junior, 1917), 134 John St., Iliion, N. Y.

- PUGH, Achilles H. Jr. (Associate, 1916), Pres., The A. H. Pugh Printing Co., Fourth & Pipe Sts., and 1118 Cypress St., W. H., Cincinnati, O.
- PUGSLEY, Edwin (Junior, 1911), Mfg. Engr., Winchester Repeating Arms Co., and *for mail*, 77 Everit St., New Haven, Conn.
- PULIS, Wm. E. (1909; 1916), Industrial Engr., The Celluloid Co., 290 Ferry St., and *for mail*, 683 Parker St., Newark, N. J.
- PULMAN, Thomas C. (1908), Genl. Mgr., Worthington-Simpson, Ltd., Queen's House, Kingsway, London, W. C. 2, and The Willows, Bisley, Surrey, England.
- PULLEN, Royal R. (Associate-Member, 1916), Mech. Engr., R. O. T. C., Company 5, Presidio of San Francisco, Cal., and Skaguay, Box 244, Alaska.
- PURCHAS, Arthur W. (Associate-Member, 1914), Dept. Mgr., Rus Roturbo Mfg. Co., Ltd., Wolverhampton, and Westow, Kirkham Abbey, York, England.
- PURDY, Asa R. (Junior, 1916), Stand. Paint Co., Woolworth Bldg., New York, and *for mail*, 2217 Newkirk Ave., Brooklyn, N. Y.
- PURDY, Henry T. (1909), Mgr., Purdy Engrg. Co., San Jose, Costa Rica, P. O. Box 750, C. A.
- PURINTON, Arthur J. (1893), Genl. Supt., Atlantic City & Shore R. R. Co., Atlantic City, N. J.
- PURINTON, Jacob W. (Junior, 1913), M. E., H. P. Hood & Sons, 494 Rutherford Ave., Boston, Mass.
- PURVES, John B. (1915), M. E., Combined Locks Paper Co., Combined Locks, and *for mail*, 620 Lawe St., Appleton, Wis.
- PUSEY, Charles W. (1880), Manager, 1892-1895; Life Member; Inspc. Engr., The Pusey & Jones Co., and 515 N. Broome St., Wilmington, Del.
- PUTNAM, Arthur D. (Associate, 1917), M. E., Worcester Elec. Light Co., 375 Main St., and 1 Dix St., Worcester, Mass.
- PUTNAM, Frederic W. (1914), Dir. Co-operative Course, Tech. High Sch., Prin., Evening Tech. Sch., and *for mail*, 44 Wildwood Ave., Providence, R. I.
- PUTNAM, J. Russell (1913), M. E., Waterbury Clock Co., and 64 Woodside Ave., Waterbury, Conn.
- QUACKENBUSH, E. Schuyler (Junior, 1917), Engr., Friedmann, Robertson & Keeler, 90 West St., and 124 W. 103rd St., New York, N. Y.
- QUAST, Walter F. (Junior, 1916), Instr. M. E., Lehigh Univ., Williams Hall, and *for mail*, 520 Brodhead Ave., Bethlehem, Pa.
- QUAYLE, LeRoy A. (1915; 1917), Ch. M. E., Cleveland Water Dept., City Hall, and *for mail*, 1455 W. 98th St., Cleveland, O.
- QUAYLE, Robert (1914), Genl. Supt. M. P. and Car Dept., Chicago & Northwestern Ry. Co., Sta. "E," Chicago, and 233 N. Harvey Ave., Oak Park, Ill.
- QUICK, Howard P. (1894), Cons. Engr., Genl. Engrg., Purchasing, Inspec., Valuation, Suite 500-501, 165 Broadway, New York, and *for mail*, 532 Third St., Brooklyn, N. Y.
- *QUICK, Ray L. (Junior, 1911), U. S. N. R., Dept. Experimental Engrg., Sibley College, Cornell Univ., and *for mail*, 426 W. Mill St., Ithaca, N. Y.
- QUIGLEY, Wirt S. (1913), Pres., Quigley Furnace Specialties Co., Inc., 26 Cortlandt St., New York, and 71 Orchard St., Hillcrest, Jamaica, N. Y.
- QUIMBY, William E. (1889; 1905), Pres., William E. Quimby, Inc., 548 W. 23d St., New York, N. Y., and Llewellyn Park, Orange, N. J.
- QUINLIVAN, Oswald (1916), M. E., U. S. Engr. Corps, 467 Broadway, and 175 Jay St., Albany, N. Y.

- QUINN, Charles H. (1912), Ch. Elec. Engr., Norfolk & West. Ry. Co., and Hotel Roanoke, Roanoke, Va.
- QUINN, Edward O. (1916), 503 Market St., San Francisco, Cal.
- QUINN, Stephen M. (Associate-Member, 1915), 510 Woodward Ave., Detroit, Mich.
- QUINT, Alanson D. (1891), Mgr., Turret Drill Co., 12 Wells St., and *for mail*, 8 Clinton St., Hartford, Conn.
- QUIRK, Clinton H. (Associate-Member, 1917), M. E., Howard & Morse, 45 Fulton St., New York, and 1458 Woodhaven Ave., Woodhaven, L. I., N. Y.
- QUIRKE, Edward D. (1911), Designer, Checker, Walworth Mfg. Co., Kewanee Wks., and *for mail*, 301 S. Main St., Kewanee, Ill.
- RABER, Benedict F. (1914), Assoc. Prof. M. E., Univ. of Cal., and 2027 Delaware St., Berkeley, Cal.
- RADCLIFFE, Robert L. (Associate, 1915), St. Louis Sales Mgr., Henry R. Worthington, 701 Laclede Gas Bldg., St. Louis, Mo.
- RADFORD, George S. (1915), Contr. Mgr., Emergency Fleet Corp'n, U. S. Shipping Bd., 1319 F St., N. W., and *for mail*, 1800 Eye St., N. W., Washington, D. C.
- RAE, John (1912), Serv. Engr., The Tabor Mfg. Co., 18th and Hamilton Sts., and *for mail*, 4945 Larchwood Ave., Philadelphia, Pa.
- RAHM, Robert C. (1914), Ch. Engr., Textile Mch. Wks., Reading, and *for mail*, 1125 Belmont Ave., Wyomissing, Berks Co., Pa.
- RAHNER, Maxwell L. (Junior, 1914), Atlanta Steel Co., and *for mail*, 306 Grand Opera Bldg., Atlanta, Ga.
- RAINEY, Charles S. (Junior, 1916), Supvr. Small Tool Design, Pratt & Whitney Co., and *for mail*, 48 Sumner St., Hartford, Conn.
- RAJAGOPALAN, T. R. (Junior, 1912), Draftsman, The Carnatic Mill Co., Ltd., Perambore Barracks, and *for mail*, 1/9A, Subramania Mudaly St., Vepery, Madras, India.
- RALPH, John J. (Junior, 1913), Eastern Rep. Fitchburg Mach. Wks., 40 Flushing Ave., Jamaica, L. I., N. Y.
- RALPH, Paul J. (1916), Engr., Empire Engrg. Co., Inc., 1042 Marine Bank Bldg., and 159 College St., Buffalo, N. Y.
- RAMSAY, Herbert H. (Junior, 1910), Asst. Engr. with John Hays Hammond and Harris Hammond, 71 Broadway, and *for mail*, 15 E. 48th St., New York, N. Y.
- RAMSDEN, John T. (1906), Ch. Engr., The Tabor Mfg. Co., 1740 Hamilton St., and *for mail*, 1911 N. 17th St., Philadelphia, Pa.
- RAMSEY, George W. (1916), Pat. Lawyer, Ramsey & Parmelee, Woolworth Bldg., New York, and 395 Park Side Ave., Brooklyn, N. Y.
- RAMSEY, James F. (Junior, 1917), Lubrication Engr., Vacuum Oil Co., 61 Broadway, New York, and *for mail*, 483 Gramatan Ave., Mt. Vernon, N. Y.
- RAMSEY, William A. (1917), Mgr., Catton, Neill & Co., Ltd., Box 324, Honolulu, Hawaii.
- RAMSEY, William H. C. (1913), Hyd. Engr., and *for mail*, 495 Linden Ave., York, Pa.
- RANDALL, Dwight T. (1904), Research Engr., Lincoln Motor Co., Detroit, and *for mail*, 161 California Ave., Highland Park, Mich.
- RANDALL, John A. (1911; 1913), Service Engr., Toledo Scale Co., and 2858 Scottwood Ave., Toledo, O.
- RANGLES, George E. (1912), V. P., The Foote-Burt Co., 4101 St. Clair Ave., Cleveland, and 2574 Fairmount Blvd., Cleveland Heights, O.
- RANDOLPH, Frank DeW. (1914), Ch. Draftsman Potter Ptg. Press Co., and *for mail*, 129 W. 2d St., Plainfield, N. J.
- RANDOLPH, L. S. (1884), Life Member; Cons. Engr., Blacksburg, Va.

- RANDOLPH, Orlando R. (Junior, 1917), The Acme Power Co., and *for mail*, Y. M. C. A., Toledo, Ohio.
- RANKIN, William A. (1907), E. E., Copper Range Co., Painesdale, Mich.
- RANSOHOFF, Nathan (Junior, 1912), Genl. Supt., Ideal Concrete Mch. Co., Monmouth St., near Colrairie, and 2929 Vernon Pl., Cincinnati, O.
- RANSOM, T. W. (1900), Cons. Engr., 1104 Merchants Exch. Bldg., San Francisco, Cal.
- RANSOM, Willard G. (1917), Salesman, The Bettendorf Co., Bettendorf, and *for mail*, 721 Western Ave., Davenport, Ia.
- RANTZ, Charles F. (1916), Owner, Chas. F. Rantz Engrg. & Mch. Wks., 4120 Carrollton Ave., and 5705 Westend Blvd., New Orleans, La.
- RAPP, Conrad H. (Associate-Member, 1917), Asst. Mgr. Designing, Engrg. Dept., Hoggson Bros., 485 5th Ave., and *for mail*, 131 W. 74th St., New York, N. Y.
- RASCHE, Charles M. (Associate-Member, 1917), Supt. Toolroom, Remington Arms Co. of Del., Eddystone, and *for mail*, Box 95, Ridley Park, Pa.
- RASCOVICH, Marcus B. (Associate-Member, 1914), Cons. Engr., Speel River Power Co., 418 Foxcroft Bldg., San Francisco, Cal.
- RASMUSSEN, Find (1913), 5413 17th Ave., Brooklyn, N. Y.
- RASTALL, Walter H. (1917), Asst. Sales Mgr., The Bauer Bros. Co., and *for mail*, 2201 Elmwood Ave., Springfield, O.
- RATHBUN, Edward (1908), Second V. P., Rathbun-Jones Engrg. Co., Toledo, O.
- RATHBUN, Geo. J. (1904), V. P., Ch. Engr., Rathbun-Jones Engrg. Co., Toledo, O.
- *RATHJENS, George W. (1916), Maj., 313th Engrs., Camp Dodge, Des Moines, Ia.
- RATTLE, Paul S. (1908; 1913), Midvale Steel Co., 1016 Newhouse Bldg., Salt Lake City, Utah.
- RATZKOFF, Silas M. (Associate-Member, 1917), Head of Steel Lab., U. S. Cartridge Co., and *for mail*, Thorndyke Chambers, Lowell, Mass.
- RAU, Frank B. (Associate, 1913), Frank Mossberg Co., and *for mail*, 31 Prospect St., Attleboro, Mass.
- RAUSCH, J. W. (1915), Mgr. Boiler, Fly-wheel, Sprinkler Leakage Depts., and Inspec. Div., Maryland Casualty Co., Baltimore and Mt. Washington, Md.
- RAUSCH, Roswell H. (Junior, 1917), Engr., Niles-Bement-Pond Co., Plainfield, N. J.
- RAUTENSTRAUCH, Walter (1904; 1911), Prof. M. E., Columbia Univ., New York, N. Y., and Palisade, N. J.
- RAWSON, William B. (1916), Engr., Sandusky Cement Co., 817 Engineers Bldg., and 2032 E. 115th St., Cleveland, O.
- RAY, David H. (1904; 1911), Life Member; Cons. Engr., David H. Ray, Inc., 115 Broadway, New York, and *for mail*, 138 Livingstone St., Forest Hills, L. I., N. Y.
- RAY, Martin H. (Junior, 1912), Treas., Am. Mgr., John W. Thorpe & Co., Inc., 165 Broadway, New York, N. Y., and *for mail*, 50 Walker Rd., West Orange, N. J.
- RAY, Walter T. (1912), V. P., Ray Subtracto-Adder Co., Richmond, Va., and *for mail*, 51 Parcot Ave., New Rochelle, N. Y.
- RAYBOULD, Frank J. (Associate-Member, 1916), Engr., N. E. Westinghouse Co., Hill Plant, and *for mail*, 56 St. James Ave., Chicopee Falls, Mass.
- RAYMOND, Alfred (1904), Genl. Mgr. Drainage, Sewerage and Water Bds., 503 City Hall Annex, and *for mail*, 1324 Nashville Ave., New Orleans, La.

- RAYMOND, Cyrus F. (1916), Route No. 1, Auburndale, Fla.
- RAYMOND, Harold E. (Associate-Member, 1916), Cons. Engr., 502 Interstate Bank Bldg., and 3237 Coleseum St., New Orleans, La.
- RAYMOND, Herbert E. (Junior, 1906), Vice Pres., Tissisguier Pulp & Paper Co., Sheldon Springs, and St. Helens, Vt.
- *RAYMOND, Thomas E. (Junior, 1916), 1st Lieut., O. O. R. C., O. D., U. S. A., Field Carriage Sec. 18 and E Sts., N. W., and *for mail*, 1700 15th St., N. W., Washington, D. C.
- RAYMOND, Ward (1901), Asst. Engr., Ingersoll-Rand Co., Phillipsburg, N. J., and *for mail*, 908 Paxinosa Ave., Easton, Pa.
- RAYNAL, Alfred H. (1884), Manager (1889-1902); M. E., 1626 Riggs Pl., N. W., Washington, D. C.
- RAYNER, Cyrus T., Jr., (1916), Ch. Engr., Orleans Levee Bd., 201 New Court Bldg., and *for mail*, 2116 Canal St., New Orleans, La.
- RAYNES, Harry C. (1913), H. C. Raynes, Inc., 120 Broadway, New York, N. Y., and 40 Central St., Boston, Mass.; res., Englewood, N. J.
- RAYSOR, Earl L. (Junior, 1916), Elec. Foreman, Brier Hill Steel Co., Coke Wks., and *for mail*, 1026 Forde Ave., Youngstown, O.
- READ, Carleton A. (1893; 1900), Prof. Steam Engrg., Worcester Poly. Inst., and 15 Hackfeld Rd., Worcester, Mass.
- READ, George F. (1907; 1910); Asst. Wks. Supt., The Celluloid Co., 290 Ferry St., Newark, and 123 S. Burnet St., East Orange, N. J.
- REARDON, P. H. (Associate, 1911), Owner, P. H. Reardon, 57 First St., and 415 Fillmore St., San Francisco, Cal.
- REARICK, Charles B. (1892; 1901), V. P., Mgr., Covington Mch. Co., Covington, Va.
- REBBEKE, Ernest A. (Associate-Member, 1915), Supervising Inspector United States Shipping Board, Emergency Fleet Corp'n, 1319 F St., Interstate Bldg., and Apart. 214, Carlisle Court, 14th St., N. W., and Columbia Rd., Washington, D. C.
- REBER, Louis E. (1891), Dean Univ. Extension Div., Univ. of Wis., and 630 Frances St., Madison, Wis.
- REBMAN, Charles G. (Junior, 1916), Metropolitan Ry-Products Co., P. O. Box 4, Green Ridge, S. I., N. Y.
- RECKENDORFER, John K. (Junior, 1916), Asst. to Mgr., Naval Aircraft Factory Navy Yard, Philadelphia, Pa., and 20 E. 62nd St., New York, N. Y.
- RECORD, James L. (1912), Pres., Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., and *for mail*, 343 Oak Grove St., Minneapolis, Minn.
- REDDIG, William H. (1916), Genl. Supt., Continental Motors Corp'n, and *for mail*, 577 Chalmers Ave., Detroit, Mich.
- REDFIELD, Snowden B. (1910), Engr. of Tests, Ingersoll-Rand Co., Phillipsburg, N. J., and *for mail*, 719 Cattell St., Easton, Pa.
- REDLEIN, George L. (Associate-Member, 1913), Spec. Asst. to Genl. Manager, The Miller Rubber Co., Akron, O.
- REED, Charles M. (Junior, 1915), Instr. Dept. of Marine Engrg., and Naval Constr., U. S. Naval Academy, and *for mail*, 201 Hanover St., Annapolis, Md.
- REED, Chester T. (1906; 1916), Secy., Reed & Prince Mfg. Co., Duncan Ave., and *for mail*, 354 Salisbury St., Worcester, Mass.
- *REED, E. Howard (1905; 1913), Lieut. Com., Torpedo Sta., Newport, R. I., Pres., Reed Small Tool Works, 28 Cherry St., Worcester, Mass., and 1874 Page Ave., Cleveland, O.
- REED, E. Winsor (Junior, 1916), Supt., Reed & Prince Mfg. Co., Duncan Ave., and *for mail*, 22 Baker St., Worcester, Mass.
- REED, Fred M. (1906), M. E., Morse Twist Drill & Mch. Co., and 73 North St., New Bedford, Mass.

- REED, Harry A. (Associate-Member, 1915), Supt. of Constr., Stone & Webster, 147 Milk St., Boston, Mass.
- REED, James, Jr. (1913), Naval Constr., U. S. N., Mare Island Navy Yard, Vallejo, Cal.
- REED, James K. (Junior, 1916), Factory Supt., S. Keighley Metal Ceiling & Mfg. Co., Follansbee, Brooke Co., West Va.
- REED, Richard D. (1915), The H. B. Smith Co., and *for mail*, 71 Broad St., Westfield, Mass.
- REED, Van A., Jr. (1915), Treas., Federal Engrg. Co., 1116 House Bldg., Pittsburgh, Pa.
- REED, William E. (1908), 61 Broadway, and *for mail*, 175 W. 72d St., New York, N. Y.
- REED, William S. (Associate-Member, 1916), Senior Partner, Reed & Glaser, 1602 Merchants' Bank Bldg., Indianapolis, Ind.
- REEDER, Charles L. (1907), Cons. Engr., Park Ave. and Saratoga St., Park Ave. Bldg., and 212 Longwood Park, Baltimore, Md.
- REEDER, Nathaniel S., Jr. (1902; 1907), V. P., Pressed Steel Car Co., 24 Broad St., and 405 Park Ave., New York, N. Y.
- REEDS, Clarence (Associate-Member, 1915), Cons. Engr., John A. Stevens, 8 Merrimack St., Lowell, and *for mail*, Box 463, Greenfield, Mass.
- REESE, Dale F. (Junior, 1907), Supt. Steam Boiler Dept., Ocean Accident & Guarantee Corp., Ltd., 59 John St., New York, N. Y., and *for mail*, 311 Belleville Ave., Newark, N. J.
- REESE, Oliver P. (1916), Supt. M. P., Pa. Co., 1042 Ohio Bldg., and 2137 Glenwood Ave., Toledo, O.
- REEVE, Charles D. (1891), V. P., Factory Mgr., Grand Rapids Brass Co., 90 Scribner Ave., and 307 Auburn Ave., Grand Rapids, Mich.
- REEVE, Sidney A. (1901), Cons. Engr., 120 Broadway, New York, and St. Marks Apt., New Brighton, S. I., N. Y.
- REEVES, William H. (1913), Pres., Reeves & Skinner Mchy. Co., 2211 Olive St., and *for mail*, 4156 Cleveland Ave., St. Louis, Mo.
- REGAN, Joseph C. (1912), Trumbull Elec. Mfg. Co., Plainville, and 155 W. Main St., New Britain, Conn.
- REGAN, Ralph H. (Junior, 1911), Production Engr., Sanderson & Porter, 52 William St., New York, N. Y., and *for mail*, P. O. Box 438, Fairmont, W. Va.
- REICHARD, George A. (1916), Sales Engr., The Worthington Co., Inc., 210 Higgins Bldg., and 1115 W. 8th St., Los Angeles, Cal.
- REID, Edward S. (Junior, 1896), Engr., No. Engrg. Wks., and 70 Pingree Ave., Detroit, Mich.
- REID, Geoffrey L. (Junior, 1916), Statistical Dept., Stone & Webster, 147 Milk St., Boston, Mass., and *for mail*, 111 Main St., N. Andover, Mass.
- REID, John S., Sr. (1898), Asst. Prof. Mech., and Elementary Mch. Drawing, Armour Inst. of Tech., and *for mail*, 6239 Greenwood Ave., Chicago, Ill.
- REID, Joseph S. (1911), Secy., Treas., Clark Bros. Co., and *for mail*, 202 Laurens St., Olean, N. Y.
- REID, Robert C. (1907), Secy., Harrolds Motor Car Co., 233 W. 54th St., New York, N. Y., and *for mail*, Englewood, N. J.
- REID, Wm. L. (1903), Genl. Supt., Baldwin Loco. Wks., Eddystone, Pa., and 6 Stratford Rd., Schenectady, N. Y.
- REIFSNYDER, James D. (Associate, 1913), V. P., Gefes Mch. Co., Inc., 14th and Clinton St., Hoboken, and 19 Liberty Pl., Weehawken, N. J.
- *REILLY, Charles J. (Associate-Member, 1916), Co. C, 21st Engr., Camp Grant, Rockford, Ill.
- REILLY, Charles J. (Associate, 1912), M. M., Merrill, Stevens & Co., Box 179, Route 1, South Jacksonville, Fla., and *for mail*, 2301 E. Madison St., Baltimore, Md.

- REILLY, Wm. J. (1901), Dist. Sales Mgr., The Babcock & Wilcox Co., 435 17th St., and 1219 Milwaukee St., Denver, Colo.
- *REIMER, Arthur A. (1912), Maj., 1st Battalion 305th Engrs., U. S. N. A., Camp Lee, Petersburg, Va., and *for mail*, 45 S. Maple Ave., East Orange, N. J.
- REINICKER, Norman G. (1913; Associate-Member, 1916), Asst. to Chief Eng., The N. Y. Edison Co., 15th St. and Irving Pl., and 434 W. 120th St., New York, N. Y.
- REIST, H. G. (1889; 1893), Manager, 1909-1912; Vice-President, 1913-1915; Designing Engr. Alternating Current Mch., Genl. Elec. Co., and *for mail*, 110 Avon Rd., Schenectady, N. Y.
- *REITZ, Walter R. (Junior, 1914), 1st Lieut., O. D., U. S. N. A., and *for mail*, 4116 Park Ave., Chicago, Ill.
- REKERSDRES, Henry (Junior, 1917), Prod. Clerk, Am. Blower Co., and *for mail*, 51 W. Kirby St., Detroit, Mich.
- RENKEN, Harry J. (Junior, 1917), Sales Engr., Fairbanks, Morse & Co., St. Louis, Mo., and Parkersburg, Ia.
- RENNER, Roland B. (1906; Associate-Member, 1915), M. E., Jeffrey Mfg. Co., 50 Dey St., and *for mail*, 3810 Broadway, New York, N. Y.
- RENNIE, Walter M. (Junior, 1914), Mech. Appraiser, Armour & Co., Union Stock Yards, Chicago, Ill., and *for mail*, 317 S. Division St., Ann Arbor, Mich.
- RENO, Harold P. (Junior, 1907), Sayles' Finishing Plants, and *for mail*, 159 Chapel St., Saylesville, R. I.
- RENO, Jesse W. (1912), Cons. Engr., Otis Elev. Co., 11th Ave. and 26th St., New York, N. Y.
- RENSHAW, Charles E. (Associate, 1915), Pres., Newman Clock Co., 178 Fulton St., New York, N. Y., and 73 Harrison St., East Orange, N. J.
- RENTON, J. Lewis (Junior, 1916), Ch. Engr., Ewa Plantation Co., Ewa, Hawaii.
- RENTSCHLER, Gordon S. (Junior, 1911), V. P., The Hamilton Fdy. & Mch. Co., Treas., The Hooven-Owens-Rentschler Co., and 643 Dayton St., Hamilton, O.
- RENWICK, Edward B. (1914), Pirsson & Renwick, 19 Park Pl., New York, N. Y., and Short Hills, N. J.
- REPATH, Charles H. (1891), Engr., 2750 Raymond Ave., Los Angeles, Cal.
- REPKO, John S., Jr. (Junior, 1915), Production Engr., Bethlehem Steel Co., Bethlehem, and *for mail*, Y. M. C. A., Allentown, Pa.
- REPLOGLE, Mark A. (1898), Mch. Design Dept., The Goodyear Tire & Rubber Co., and *for mail*, 802 Chalker St., Akron, O.
- RETTIG, George P. (Associate-Member, 1917), Weidely Motors Co., Indianapolis, Ind.
- REUNERT, Theodore (1901), M. Inst. C. E., Rennert & Lenz, Ltd., Box 92, Johannesburg, S. A., and care of Findlay, Durham & Brodie, 110 Cannon St., London, E. C., England.
- REUSCHLINE, George L. (1914), Supt. of Mfr., Am. Ice Co., 600 Arch St., and *for mail*, 811 Windsor Sq., Philadelphia, Pa.
- REUTER, Francis J. G. (Associate-Member, 1913), Equip. and Method Engr., The Winchester Repeating Arms Co., and *for mail*, 59 Blake St., New Haven, Conn.
- REVERE, Francis J. (1917), Asst. Engr., Allis-Chalmers Mfg. Co., West Allis, and *for mail*, 291 Cedar St., Wauwatosa, Wis.
- REYMOND, Martin H. (Junior, 1917), Mfg. Expert, West. Elec. Co., and 4240 Washington Blvd., Chicago, Ill.
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- REYNOLDS, George D. (1917), Pres., Genl. Mgr., Reynolds Pattern & Machine Co., Massillon, Ohio.
- REYNOLDS, Herbert B. (Junior, 1912), Mech. Asst. to Supt. M. P., The United Rys. & Elec. Co., 1310 Continental Trust Bldg., and Calvert Ct., Baltimore, Md.
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- REYNOLDS, Lloyd C. (Junior, 1917), Asst. Steam Engr., Worth Bros. Co., Coatesville, and *for mail*, Atglen, Pa.
- REYNOLDS, Philip E. (Junior, 1911), Alberger Pump & Cond. Co., 140 Cedar St., New York, N. Y., and *for mail*, Manasquan, N. J.
- *RHAME, Frank P. (Junior, 1916), 1st Lieut., O. O. R. C., Inspec. Sec., Albemarle Bldg., New York, and *for mail*, 136 Rose St., Freeport, L. I., N. Y.
- RHOADS, George E. (Junior, 1906), Asst. Foreman, Loco. Test Plant, Pa. R. R., and *for mail*, 1320 20th Ave., Altoona, Pa.
- RHOADS, J. Edgar (1916), Mem. of Firm, J. E. Rhoads & Sons, Box 905, and 2211 Shallcross Ave., Wilmington, Del.
- RHODES, George H. (Junior, 1913), Industrial Engr., Bishop & Co., 7th and Alameda Sts., and 1237 S. Alvarado, Los Angeles, Cal.
- *RHYS, C. O. (1916), Capt., E. O. R. C., The Diamond Match Co., and *for mail*, 142 Parkview Ave., Barberton, O.
- RICE, Alva C. (1890), 5 Oberlin St., Worcester, Mass.
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- RICE, Calvin W. (1900), Cons. Engr., Secretary, Am. Soc. M. E., 29 W. 39th St., New York, N. Y., and 241 N. Mountain Ave., Upper Montclair, N. J.
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- RICE, Cyrus W. (1915), Cons. Engr., Chemo-Mech. Water Improvement Co., and *for mail*, 6724 Woodland Ave., Philadelphia, Pa.
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- RICE, George W. (1906; 1912), Plant Mgr., Curtis Aeroplane & Motor Corp., 1756 Elmwood Ave., and 50 Granger Pl., Buffalo, N. Y.
- RICE, Myron W. (Junior, 1911), Columbia Chem. Co., Barberton, O.
- RICE, Richard H. (1890), Engr. Turbine Dept. Engine Wks., 1904-1907; Genl. Elec. Co., and 126 Ocean St., West Lynn, Mass.
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- RICHARDS, Chas. D. (Junior, 1904), Asst. Engr. of Tests, Solvay Process Co., Box 557, and *for mail*, 266 Meadowbrook Ave., Detroit, Mich.
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- RICHARDS, Chas. Russ (1892; 1901), Dean College of Engrg., Dir. Engrg. Exper. Sta., Univ. of Ill., and 904 W. Nevada St., Urbana, Ill.
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- RICHARDS, Frank (1891), Managing Editor, Compressed Air Magazine, and Ingersoll-Rand Co., 11 Broadway, and *for mail*, 229 W. 135th St., New York, N. Y.
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- RICHARDSON, Alton A. (1913), Engr. Natl. Electrolytic Co., Canal Basin, Niagara Falls, and 958 James St., Niagara Falls, N. Y.
- RICHARDSON, Ammi C. (Junior, 1913), Eng., Office of Genl. Engr., Am. Thread Co., 549 Main St., and 177 Oak St., Holyoke, Mass.
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- RICHARDSON, Charles G. (1911), Sales Engr., Builders Iron Fdy., 9 Codding St., and *for mail*, 135 Adelaide Ave., Providence, R. I.
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- RICHARDSON, George P. (1917), Asst. Engr., Isbell Porter Co., 46 Bridge St., Newark, and 85 Cedar St., Wyoming, N. J.
- RICHARDSON, Levi S. (1909), Ch. Draftsman, W. S. Barstow & Co., 50 Pine St., New York, and *for mail*, 163 Bodine St., West New Brighton, S. I., N. Y.
- RICHARDSON, Maurice F. (1914), Plant Mgr., E. I. du Pont de Nemours & Co., Arlington Wks., and *for mail*, 1 Elizabeth Ave., Arlington, N. J.
- RICHARDSON, Joseph W. (Associate, 1917), Marine Engr. & Surveyor, Pres., Nichols Iron Wks., 11 Broadway, New York, N. Y.
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- RICHMOND, Harold A. (Junior, 1898), Treas., Genl. Abrasive Co., Inc., Niagara Falls, N. Y.
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- RICHTER, Ernst (1890), Engr., The G. A. Gray Co., Gest and Depot Sts., Cincinnati, and *for mail*, LaFayette Circle, Clifton, Cincinnati, O.
- RICKFORD, Reginald V. G. (1913; Associate-Member, 1916), M. E., Geo. P. Ide & Co., and *for mail*, Hotel Trojan, Troy, N. Y.
- RICKER, Wm. Wood (1906), Secy., Guarantee Constr. Co., 140 Cedar St., and 65 Park Ave., New York, N. Y.
- RICKETSON, William E. (1916), M. E., Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., Beech Grove, and *for mail*, 3428 Broadway, Indianapolis, Ind.

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- RICKETTS, Palmer C. (1892), Pres., Prof. Mech., Rensselaer Poly. Inst., Troy, N. Y.
- RICKEY, Walter J. (1903), Mgr., The Singer Mfg. Co., Ltd., Singer, Clydebank, Scotland.
- RIDDELL, A. H. (1901), Partner, Machold & Riddell, 1020 Stephen Girard Bldg., Philadelphia, Pa., and 245 Mountwell Ave., Haddonfield, N. J.
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- RIESNER, Michael (1914), Ch. Engr., Laidlaw-Dunn-Gordon Co., and *for mail*, 374 Terrace Ave., Cincinnati, O.
- RIEWERTS, Max (Associate-Member, 1917), Asst. Ch. Engr., Botany Worsted Mills, and *for mail*, 260 Highland Ave., Passaic, N. J.
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- *RIGGS, George (Junior, 1916), Sergeant, Co. K, 107th Infantry; care of L. Riggs, Jr., 25 Broad St., New York, N. Y.
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- RIKER, Andrew L. (1897; 1899), Manager, 1906-1909: V. P., Ch. Engr., Locomobile Co. of Am., Bridgeport, and *for mail*, Fairfield, Conn.
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- *RILEY, Major Joseph C. (1909), care of Col. Arnold, 7th floor, South Ry. Bldg., Washington, D. C.
- RILEY, Champlain L. (1917), Cons. Engr., 101 Park Ave., New York, N. Y.
- RILEY, Lewis A. 2d, (1914), Mech. and Gas Engr., Rm. 607, 103 Park Ave., New York, and 5 Myrtle Ave., White Plains, N. Y.
- RILEY, R. Sanford (1906), Pres., Sanford Riley Stoker Co., Ltd., 25 Foster St., and *for mail*, 228 West St., Worcester, Mass.
- RINK, George W. (1907), M. E. M. P. Dept., Central R. R. of N. J., Jersey City, and *for mail*, 15 Alden St., Cranford, N. J.
- RIPLEY, Charles M. (Associate-Member, 1917), Genl. Elec. Co., and *for mail*, 1414 Union St., Schenectady, N. Y.
- *RIPLEY, William H. (Junior, 1917), 1st Lieut., O. D., U. S. R., M. E., Sales Agt., 5 Beekman St., New York, and 541 Lincoln Pl., Brooklyn, N. Y.
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- RIPSCH, Charles W. (1908; 1916), Mech. Engr. Am. Railway Equip. Co., and 113 Hawthorn St., Dayton, O.

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- RIX, Edward A. (1896), Pres., Rix Compressed Air & Drill Co., 505 Howard St., San Francisco, and 5319 Broadway Terrace, Oakland, Cal.
- RIX, Milton H. (1917), Genl. Supt., Sheffield Car Co., and *for mail*, 306 North St., Three Rivers, Mich.
- ROANE, R. Royal (1916), Ch. Engr., Vulcan Iron Wks., foot of Morris St., Jersey City, N. J., and 35 Fort Washington Ave., New York, N. Y.
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- ROBB, Charles A. (Associate-Member, 1914), Eng. Dept., Imperial Munitions Bld., Federal Bldg., and *for mail*, The Roxborough, Ottawa, Ont., Canada.
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- ROBBINS, Newton A. (1915), Ch. Engr., M. M., Orono Pulp & Paper Co., Orono, Me.
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- ROBBINS, Walter C. (Junior, 1917), Motor Engr., Curtiss Aeroplane & Motor Corp'n, 20000 Elmwood Ave., and *for mail*, 154 Bedford Ave., Buffalo, N. Y.
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- ROBERTS, Edward F. (1913), Factory Mgr., Packard Motor Car Co., and 742 Field Ave., Detroit, Mich.

- ROBERTS, Eugene de Witt (1914), V. P., The Puget Sound Iron & Steel Wks., and 220 S. Tacoma Ave., Tacoma, Wash.
- ROBERTS, George J. (1888), First V. P., Pub. Serv. Corp. of N. J., Pub. Serv. Corp. Bldg., Newark, N. J.
- ROBERTS, LeRoy C. (1914), Engr., The Barrett Co., 17 Battery Pl., New York, N. Y., and *for mail*, 117 Oakland Rd., South Orange, N. J.
- ROBERTS, Montague H. (1912; 1917), Ch. Engr., Air Reduction Co., 120 Broadway, New York, N. Y., and *for mail*, 2204 Hudson Co. Blvd., Cor. Ege Ave., Jersey City, N. J.
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- ROBINSON, Arthur L. (1908), Cons. Engr., The Barber Asphalt Paving Co., 1900 Land Title Bldg., Philadelphia, and 222 Windemere Ave., Wayne, Pa.
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- ROGER, John P. (1914), Plant Engr., Babcock & Wilcox Co., and 212 W. Park Ave., Barberton, O.
- ROGERS, A. A. (1916), Wilmette, Ill., and Portales, New Mex.
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- *ROGERS, Theo. B. (Junior, 1916), 2nd Lieut., E. O. R. C., 114th Reg. Engr., Camp Beauregard, Alexandria, La., and Hemingway, S. C.
- ROGERS, Ulysses G. (Associate-Member, 1916), Designing Can Mach., Libby, McNeill & Libby, Union Stock Yds., and 4457 W. Monroe St., Chicago, Ill.
- ROGERS, Winfield S. (1888), Pres., Bantam Anti-Friction Co., Bantam, Conn.
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- ROLLINS, Henry M. (1913), Supt., Gulfport Creosoting Co., Gulfport, Miss.
- ROLLINS, Leonard E. (Junior, 1915), Mech. Engr., Fargo Engrg. Co., Jackson, Mich., and Sheboygan, Wis., and 1912 Hennepin Ave., Minneapolis, Minn.
- ROLLINS, Lewis M. (Associate-Member, 1916), Asst. Genl. Supt., Armour Mch. Co., Union Stock Yards, and *for mail*, 65 E. 49th St., Chicago, Ill.
- ROLLINS, William B. (1911), Cons. Engr., W. B. Rollins & Co., 208-210 Ry. Exch. Bldg., and 2425 Park Ave., Kansas City, Mo.
- ROLLMAN, Bruce B. (Associate Member, 1917), Experimental Engr., New Idea Spreader Co., and *for mail*, 410 S. Market St., Coldwater, O.
- ROLLOW, J. Grady (Associate-Member, 1915), Engr., E. I. du Pont de Nemours & Co., du Pont Bldg., Wilmington, Del., and 6427 W. Chester Rd., Millbourne, Pa.
- ROLPH, George M. (1917), Genl. Mgr., California & Hawaiian Sugar Refining Co., 230 California St., San Francisco, Cal.
- ROMANN, John H. (1916), Wks. Engr., Am. Steel Foundries, Plant 3, Indiana Harbor, Ind., and 7001 Rhodes Ave., Chicago, Ill.
- ROMER, Albert J. (Associate-Member, 1917), Sales Engr., The New Departure Mfg. Co., Bristol, Conn., and Cons. Engr., Kershaw Corp'n, Fireman's Bldg., and *for mail*, 59 Mapes Ave., Newark, N. J.
- RONEY, William R. (1889), Life Member; Pres., Securities & Constr. Co. of Amer., 149 Broadway, and 432 W. 154th St., New York, N. Y.
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- ROONEY, Martin A. (Junior, 1912), Engr., Am. Radiator Co., 126 E. Jefferson Ave., and *for mail*, Morris Apts., cor. St. Clair and Waterloo, Detroit, Mich.
- ROOS, Delmar G. (Associate-Member, 1913), Asst. Ch. Engr., Locomobile Co., of Amer., and *for mail*, 2857 Main St., Bridgeport, Conn.
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- ROOT, Orlando J. (1898), V. P., The Root & Van Dervoort Corp'n, East Moline, and Spalding Apts., Moline, Ill.
- *ROOT, Virgil A. (Associate-Member, 1915), Capt., O. O. R. C., U. S. A., Garrettsville, O.
- ROPER, Norman B. (1905), Supt. Reduction Wks., The Backus & Johnston Co., Casapalca, Peru, S. A., and 879 Kensington Rd., Los Angeles, Cal.
- RORABECK, Claude (Associate, 1917), Mgr., The W. P. Callahan Co., Dayton, O.
- ROSADO, Manuel G. (Associate-Member, 1916), Sales Engr., De La Vergne Mch. Co., Apartado 143, Mérida, Yucatan, Mex.
- ROSBOROUGH, Caldwell R. (Associate, 1913), Secy., Williams, White & Co., 8th St. and 3rd Ave., and 1235 Eleventh Ave., Moline, Ill.
- *ROSE, Clarence E. (1914), Capt., E. O. R. C., V. P. and Mgr. of The Arkansas Cold Storage Co., The National Ice and Cold Storage Co., and *for mail*, 111 Fountain Ave., Little Rock, Ark.

- ROSE, David (Junior, 1915), Engr., Star Brass Wks., 3114-22 Carroll Ave., and 1129 Sunnyside Ave., Chicago, Ill.
- ROSE, Fred W. (1913; 1917), Cons. Engr., Rose & Harris, 471-472 Auditorium Bldg., Minneapolis, and 325 Wilder Ave., St. Paul, Minn.
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- ROSEN, Carl G. A. (Junior, 1916), M. E. Dow Pump & Diesel Eng. Co., Oak and Clement Sts., Alameda, and *for mail*, 1127 Elm St., San Francisco, Cal.
- ROSENCRANTS, Fay H. (Junior, 1913), M. E., Texas Power & Light Co., and 824 Starr St., Dallas, Tex.
- *ROSENFELD, Harold (Junior, 1915), Signal Corps, Aviation Section, Reserve Officers' Training Camp, and *for mail*, 995 Second Ave., Detroit, Mich.
- ROSENOW, Henry F. (1917), Mgr. Heating Dept., Skinner Bros. Mfg. Co., 10th and Tyler Sts., and *for mail*, 3910 Castleman Ave., St. Louis, Mo.
- ROSENTHAL, Emanuel (Junior, 1914), Instr. Manual Training, Bd. of Education, and *for mail*, 128 E. 83d St., New York, N. Y.
- ROSENZWEIG, Siegfried (1914), Cons. Engr. Steam Eng. Dept., York Mfg. Co., York, Pa.; Cons. Engr., Am. Spray Co., 26 Cortlandt St., and *for mail*, 215 W. 88th St., New York, N. Y.
- ROSING, William H. V. (1896), Spec. Engr., St. L. & S. F. Ry. Co., Frisco Bldg., and 428 Kunbrough St., Springfield, Mo.
- ROSS, Charles E. (1900), Cons. Engr., 52 Beaver St., and *for mail*, Hotel Chelsea, W. 23d St., New York, N. Y.
- *ROSS, Sir Charles H. A. F. L. (1910), Lieut., O. O. R. C., Ft. Hancock, Sandy Hook, N. J.
- *ROSS, Cleland Coldwell (Junior, 1915), 1st Lieut., O. R. C., Ft. Hancock, N. J., M. E. Supt., Coldwell Lawn Mower Co., and *for mail*, 70 Clinton St., Newburgh, N. Y.
- ROSS, Frank E. (1913), Partner, Gilro Mch. Co., Foot of 9th Ave., Oakland, Cal.
- *ROSS, Henry B. (Junior, 1916), 1st Lieut., 104th U. S. Engrs., and *for mail*, 406 Casino Ave., Cranford, N. J.
- ROSS, John A., Jr. (1916), Prof. M. E., Clarkson College of Tech., and *for mail*, 24 Elm St., Potsdam, N. Y.
- ROSS, John L. (1912), Box 314, Riverhead, N. Y.
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- ROSS, Taylor W. (Junior, 1895), Supt. Repairs and Docks, Newport News Shipbuilding & Dry Dock Co., and *for mail*, 3112 West Ave., Newport News, Va.
- ROSSBERG, Chas. A. (Junior, 1903), Ch. Draftsman, Veeder Mfg. Co., and *for mail*, 125 Oakland Terrace, Hartford, Conn.
- ROTE, John G. (Junior, 1911), Townsend and Payson Rds., Belmont, Mass.
- ROTH, Adolph (Junior, 1913), Engr., Otis Elev. Co., 11th Ave. and 26th St., New York, and *for mail*, 72 Sherwood Ave., Yonkers, N. Y.
- ROTH, Sam I. (Associate-Member, 1917), Sales Engr., Pawling & Harnischfeger Co., 50 Church St., New York, N. Y., and 263 16th St., Milwaukee, Wis.
- ROTTER, Max (1899), V. P. in charge Engrg., Busch-Sulzer Bros. Diesel Eng. Co., 2nd and Utah Sts., St. Louis, Mo., and 3506 Cedar St., Milwaukee, Wis.

- ROUBAUD, Arthur (1915), Genl. Foreman Sao Paulo Shops, Central R. of Brazil, and *for mail*, Oficinas do Engenho de Dentro, Rio de Janeiro, Brazil, S. A.
- ROUDEBUSH, Roy E. (1913), Engrg. Dept., Alliance Mch. Co., and 537 E. Broadway, Alliance, O.
- ROUECHE, W. Lee (Associate-Member, 1915), Supt. Shops, M. E., Crane Co., and 200 N. 77th St., Birmingham, Ala.
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- ROWBOTTOM, George (1909), Pres., Genl Mgr., The Rowbottom Mch. Co., and 233 Willow St., Waterbury, Conn.
- ROWE, D. Ray (Junior, 1911), Asst. Ch. Engr., The Recording & Computing Mchs. Co., Essex Ave., and *for mail*, 1056 Demphle Ave., Dayton, O.
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- ROWE, Hartley (1916), Resident Engr., Panama Canal, Balboa Heights, C. Z.
- ROWLAND, Charles B. (1885; 1894), V. P., The Continental Iron Wks., West and Cayler Sts., Brooklyn, N. Y., and Greenwich, Conn.
- ROWLAND, George R. (1917), Supv. Engr. Lubricating Div., The Tex. Co., 17 Battery Pl., New York, N. Y., and 500 Cherry St., Elizabeth, N. J.
- ROWLAND, Thomas F., Jr., (1884), Pres., The Continental Iron Wks., West and Cayler Sts., and 891 St. Marks Ave., Brooklyn, N. Y.
- ROWLANDS, Richard A. (Junior, 1915), Traveling Engr., Babcock & Wilcox Co., and *for mail*, 82 Broadway, Bayonne, N. J.
- ROWLEY, Frank B. (1911; Associate-Member, 1913), Asst. Prof. Exper. Engrg., Univ. of Minn., and *for mail*, 217 Beacon St., S. E., Minneapolis, Minn.
- ROWLEY, Horace T. (1916), V. P., Ch. Engr., Stand. Compress & Warehouse Corp., 30 Church St., and *for mail*, Hotel Albert, 11th and Univ. Pl., New York, N. Y.
- ROWLEY, R. Lloyd (1910; Associate-Member, 1916), Asst. Engr., Bd. of Fire Underwriters of the Pacific, 914 Merchants Exch. Bldg., San Francisco, and 398 60th St., Oakland, Cal.
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- ROWNTREE, Frank L. (1913), Mfg. Supt., Foster, Merriam Co., Cross St., and *for mail*, 102 Ann St., Meriden, Conn.
- ROWSE, William C. (1912; 1916), Exper. Engr., H. H. Franklin Mfg. Co., and *for mail*, 400 Roberts Ave., Syracuse, N. Y.
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- ROYER, Earl B. (Associate-Member, 1917), M. E., Walter G. Franz, Cons. Engr., 1703 Union Trust Bldg., and *for mail*, 757 Mt. Hope Rd., Cincinnati, O.
- ROYER, Daniel L. (Junior, 1915), Safety Engr., 1121 Insurance Exch. Bldg., and *for mail*, 1434 Granville Ave., Chicago, Ill.

- ROYER, Thomas J. (1914), Engr., R. A. Rowan & Co., 200 Title Insurance Bldg., and 829 N. Ave. 63, Los Angeles, Cal.
- ROYLE, Vernon (1907), Pres., John Royle & Sons, Essex and Straight Sts., and *for mail*, 618 E. 28th St., Paterson, N. J.
- ROYLE, Vernon E. (1905; 1917), M. E., John Royle & Sons, and *for mail*, 399 15th Ave., Paterson, N. J.
- ROYS, Lawrence (Junior, 1907), 2403 11th Ave. A, Moline, Ill.
- ROYSE, Daniel (1891; 1904), 2143 No. 17 Battery Pl., New York, N. Y.
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- RUBIN, Harry E. (Junior, 1915), Salesman, Natl. Dry Kiln Co., and *for mail*, 352 Good Ave., Indianapolis, Ind.
- RUBLE, Jos. S. (1913), Genl. Supt., The Austin Co., 16112 Euclid Ave., Cleveland, and Bryn Mawr Rd., East Cleveland, O.
- RUCKER, B. Parks (1909), Cons. Engr., Garrett Park, Md.
- RUCKES, Joseph J. Jr. (1902; 1911), Engr. with Henry C. Meyer, Jr., Architects Bldg., and *for mail*, 771 E. 169th St., New York, N. Y.
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- RUDOLPHI, Frank (1913), Mgr. Equip. Dept., Am. Can Co., Rm. 1336, 120 Broadway, New York, N. Y., and 90 Christopher St., Montclair, N. J.
- RUEBEL, C. A. Ernst (1914), Pres., Ruebel & Wells Cons. Engrs. Co., 1420 Chemical Bldg., and *for mail*, 4649 Cottage Ave., St. Louis, Mo.
- RUE, Ernest Fitch (1917), Supt. Engr., Steam Ship Dept., Vacuum Oil Co., Rm. 1712, 61 Broadway, and *for mail*, Engineers' Club, 32 W. 40th St., New York, N. Y.
- RUECK, George (Associate-Member, 1915), V. P., Messer Mfg. Co., 121 N. 7th St., and 439 S. 62nd St., Philadelphia, Pa.
- RUETENIK, B. P. (Junior, 1913), Power Engr., Cleveland Ill. Co., 624 Engineers Bldg., and *for mail*, 3404 Scranton Rd., Cleveland, O.
- RUGG, Daniel M. (Junior, 1915), Coke Oven Engr., The Gas Mchy. Co., 1900 Euclid Ave., and 1890 E. 97th St., Cleveland, O.
- RUMELY, William N. (1885), Pres., Illinois Thresher Co., Sycamore, Ill.
- RUMSEY, Spencer S. (1900; 1907), Ch. Engr., Oliver Iron Min. Co., 717 Wolvin Bldg., and 1217 E. 2nd St., Duluth, Minn.
- RUNYON, Frederick O. (1909), Cons. Engr., Runyon & Carey, 845 Broad St., Newark, and 9 Hickory Drive, Maplewood, N. J.
- RUPF, Ernest L. (1907; Associate-Member, 1915), Genl. Mgr., Bayonne Bolt & Nut Co., Bayonne, N. J., and *for mail*, 181 Kingsley Ave., West New Brighton, S. I., N. Y.
- RUPP, M. E. (1909; Associate-Member, 1913), Asst. Supt., Curtis & Co., and *for mail*, care of Curtis Pneumatic Mchy. Co., St. Louis, Mo.
- RUPPEL, Richard (1912; 1917), Ch. Engr., J. Byers Holbrook, Cons. Engr., 52 Vanderbilt Ave., and 739 E. 182nd St., New York, N. Y.
- RUPRECHT, Walter E. (Junior, 1916), Secy., Treas. and Genl. Mgr., Chas. F. Mattlage & Sons, 335 Greenwich St., and 58 Central Park W., New York, N. Y.
- RUSBATCH, Alfred (1901), Supt. Rod Mills, Am. Steel & Wire Co., 1230 Marquette Rd., and *for mail*, 10008 Lamont Ave., N. E., Cleveland, O.
- RUSBY, John M. (1893), Engr. of Tests, United Gas Improvement Co., Broad and Arch Sts., and The Avondale, 39th and Locust Sts., Philadelphia, Pa.
- RUSH, Earl S. (Junior, 1915), Asst. to Engr. Tests, Atchison, Topeka & Santa Fe Ry., and 1920 West St., Topeka, Kan.
- RUSHMORE, David B. (1897; 1903), Ch. Engr. Power and Min. Dept., Genl. Elec. Co., and 234 Union St., Schenectady, N. Y.

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- RUSSELL, Albert B. (Associate, 1917), Wks. Mgr., Library Bureau, and 95 First Ave., Ilion, N. Y.
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- RUSSELL, James Gordon (Junior, 1915), Instr. Mech. Engrg., Post Graduate Dept., U. S. Naval Academy, Annapolis, Md.
- RUSSELL, Thomas N. (1913), Second V. P., Chicago-Cleveland Car Roofing Co., 535 Ry. Exch. Bldg., and 6127 Woodlawn Ave., Chicago, Ill.
- RUSSELL, Troy (Junior, 1916), Operator By-Products Coke Plant, Toledo Furnace Co., and *for mail*, 1002 Front St., Toledo, O.
- RUSSELL, Walter B. (1906; 1909), Dir., Franklin Union, 41 Berkeley St., Boston, and *for mail*, 58 Arborway, Jamaica Plain, Boston, Mass.
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- RYDER, Earl R. (Junior, 1916), Jr. Engr., Miller, Franklin & Basset, 17 Battery Pl., and *for mail*, 1 W. 81st St., New York, N. Y.
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- RYDING, Herbert C. (1900), V. P., Tenn. Coal, Iron & R. R. Co., 1524 Brown Marx Bldg., and 1330 Whitaker St., Birmingham, Ala.
- *RYERSON, William N. (1906), Capt. (Class B.), E. R. C.; Genl. Mgr., Ch. Engr., Great No. Power Co., Duluth, Minn.
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- SACHS, Daniel M. (1915), V. P., Genl. Mgr., No. Pipe Line Co., 206 Seneca St., and 315 W. 4th St., Oil City, Pa.
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- SAFFORD, Arthur T. (1904), Cons. Hyd. Engr., Proprietors Locks & Canals, 66 Broadway, and 266 Andover St., Lowell, Mass.
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- SAGUE, Samuel R. (1908; 1915), Engr., The Strong, Carlisle & Hammond Co., 344 Frankfort St., Cleveland, and *for mail*, 1858 Idlewood St., East Cleveland, O.
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- ST. LAWRENCE, John (1917), Mfg. Supt. Erie Wks., Genl. Elec. Co., and *for mail*, 622 E. 6th St., Erie, Pa.
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- SCHECKENBACH, John A. V. (Associate-Member, 1917), Am. Car & Fdy. Co., Detroit, Mich.
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- SCHILDHAUER, Edward (1911), Pres., Artillery Fuse Co., Wilmington, Genl. Mgr., New Castle Const. Co., New Castle, and 2610 W. Sixteenth St., Wilmington, Del.
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- SCHIRMER, Carl E. (Junior, 1917), Ch. Draftsman, Asst. Ch. Engr., Schaffer Engrg. & Equip Co., and 110 N. Washington St., Tiffin, O.
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- SCHMIDT, Wilhelm A. (1912), Spec. Engr., Remington Arms Co., and 21 Bellevue Ave., Ilion, N. Y.
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- SERRANO, Luis R. (Junior, 1913), Mech. Draftsman, Braden Copper Co., Sewell, Rancagua, and Jerman Riesco 1989, Santiago, Chile, S. A.
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- SEYMOUR, James A. (1892), V. P., Ch. Engr., McIntosh & Seymour Corp., 91 Orchard St., and *for mail*, 64 South St., Auburn, N. Y.

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- SEYMOUR, Ralph C. (1914), Mgr., M. E., Rotary Magazine Press Dept., Goss Ptg. Press Co., 220 W. 42d St., New York, and Larchmont Manor, N. Y.
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- SHADALL, Charles E. (1912), M. E., Nordberg Mfg. Co., and *for mail*, 468 Idaho St., Milwaukee, Wis.
- SHADGEN, Joseph F. (Junior, 1917), Cons. Engr., Rm. 1607-1608, 50 E. 42nd St., and 163 W. 73rd St., New York, N. Y.
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- SHALLCROSS, Watson C. (1910), Mgr. Caustic Soda Dept., Solvay Process Co., Detroit, and Grasse Isle., Mich.
- SHANKLAND, E. C. (1895), C. E., E. C. & R. M. Shankland, 1106 Rookery Bldg., and 4808 Champlain Ave., Chicago, Ill.
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- SHAW, E. C. (1890; 1892), V. P., The B. F. Goodrich Co., and *for mail*, "Wychwood," N. Portage Path, Akron, O.
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- SIGNAROWITZ, Ferdinand J. (1915), Pump Designer, The Pelton Water Wks. Co., 19th and Harrison St., and 1080 Bush St., San Francisco, Cal.
- SILCOX, Lewis K. (Associate-Member, 1916), M. E., Illinois Central R. R. System, Rm. 909, Central Sta., and *for mail*, 5338 Dorchester Ave., Chicago, Ill.
- da SILVA, Antonio P. (1912), Genl. Foreman, Estrada de Ferro Central do Brazil, Oficinas do Norte, E. F. C. B., Sao Paulo, Brazil, S. A.
- SIMEON, Charles J. (1913), Curtiss Aeroplane Co., and 349 Elmwood Ave., Buffalo, N. Y.
- SIMMONDS, John J. (Associate, 1916), 643 Indiana St., Lawrence, Kan.
- *SIMMONS, Harry M. (Junior, 1914), 2nd Lieut., E. O. 2 R. C., 6th Div., Engr. Train, U. S. A.; and 84 N. Pearl St., Albany, N. Y.
- SIMMONS, Herman R. (1914), Cons. Engr., P. O. Box 446, and 57 Railroad St., Peace Dale, R. I.
- SIMON, Arthur (1912), E. E., Cutler-Hammer Mfg. Co., and 3210 Chestnut St., Milwaukee, Wis.
- SIMON, Cecil S. (Junior, 1915), Asst. Master Mech., Pacific Gas & Elec. Co., Core via Montgomery Creek, Shasta Co., and Los Gatos, Cal.
- SIMON, Joseph J. (Associate, 1916), Cons. Lubrication Engr., The Texas Co., Shanghai, China.
- SIMONSON, G. Metcalfe (Junior, 1914), Elec. Engr., Cal. State Dept. of Engrg., 608 Forum Bldg., and *for mail*, 2019 2nd Ave., Sacramento, Cal.
- *SIMPSON, Colin C., Jr. (Junior, 1912), Private, Depot Battalion, 7th N. Y. Inf., Genl. Supt. Mains and Services, Constld. Gas Co. of N. Y., 130 E. 15th St., New York, and Great Neck Estates, Great Neck, L. I., N. Y.
- SIMPSON, George P. (1917), Supt., Oven Equip. & Mfg. Co., and *for mail*, 249 Park St., New Haven, Conn.
- SIMPSON, Geo. R. (1889; 1897), Prin. Examiner Ry. and Rolling Stock Div., Pat. Office, and 1322 12th St., N. W., Washington, D. C.
- SIMPSON, Ralph (Associate-Member, 1916), Mch. Tool Designer, Potter & Johnston Mch. Co., 1027 Newport Ave., and 151 Cottage St., Pawtucket, R. I.
- SIMPSON, Robert J. O. (1906), Supt., M. E. L. S. Starrett & Co., and *for mail*, 129 Union St., Athol, Mass.
- SIMPSON, Roswell H. (Associate-Member, 1915), Ch. Draftsman, Keystone Watchcase Co., Ch. Draftsman, Riverside Metal Co., and *for mail*, 202 Franklin St., Riverside, N. J.
- SIMPSON, William K. (Junior, 1909), Supt., Nason Mfg. Co., 71 Fulton St., New York, N. Y.
- SIMPSON, William L. (1917), Genl. Supt., Eddystone Ammunition Corp'n, Eddystone, and *for mail*, Crum Lynne, Pa.
- SINCLAIR, A. F. (1910; 1911), Cons. and Contr. Engr., Rm. 915, 30 Church St., New York, N. Y.
- SINCLAIR, Dr. Angus (1883), Editor, Publisher, Angus Sinclair Co., 114 Liberty St., New York, N. Y., and *for mail*, Millburn, N. J.

- SINCLAIR, George M. (1887; 1890), Cons. Engr. and Sales, 618 Chestnut St., and 2117 Chestnut St., Philadelphia, Pa.
- SINGER, Sidney C. (1909; Associate-Member, 1916), Supt. of Distribution, Syracuse Ltg. Co., 143 Mechanic St., and 736 S. Beech St., Syracuse, N. Y.
- SINGH, Nand (Junior, 1916), Milwaukee Harvester Wks., 784 Park St., Milwaukee, Wis.
- SINGLETON, Arthur B. (Junior, 1912), Sales Engr., Kerr Mchy. & Supply Co., Kerr Bldg., and 25 Hooker Ave., Detroit, Mich.
- SINGLETON, Fred (1914), Rep., Loco. Superheater Co., P. O. Box 251, and 46 W. 4th St., Dunkirk, N. Y.
- SINSHEIMER, Sidney W. (1914), V. P., Genl. Mgr., The Holly Sugar Corp'n, 503 Boston Bldg., and *for mail*, 1075 Logan St., Denver, Colo.
- SINTZ, Claude (1917), 31 Garfield Bldg., and 244 Edison Ave., Detroit, Mich.
- SITARMACHER, Bachahalli (Associate-Member, 1913), Supt., Dept. of Industries and Commerce, Ringwood, Bangalore, South India.
- SITNEY, Massey (1917), Engr., Mich. Designer, New York Navy Yard, and *for mail*, 778 De Kalb Ave., Brooklyn, N. Y.
- SKEWIS, Edwin G. (Associate-Member, 1915), Production Engr., C. H. Wheeler Mfg. Co., Philadelphia, and *for mail*, 5815 McMahon Ave., Germantown, Philadelphia, Pa.
- SKINKLE, Jay W. (1913), Mfg. Staff, West. Elec. Co., Ltd., N. Woolwich, London, E., and Lamorbey Park Hotel, Sidcup, Kent, England.
- SKINNER, Allan D. (1913), V. P., Sales Mgr., Skinner Eng. Co., and 246 W. 10th St., Erie, Pa.
- SKINNER, Halcyon N. (Junior, 1913), Mech. Dept., Alex. Smith & Sons Carpet Co., and *for mail*, 93 Bruce Ave., Yonkers, N. Y.
- SKINNER, Howard A. (Junior, 1917), Cadet Gas Dept., Westchester Lighting Co., Tarrytown, and *for mail*, 197 Shonnard Terrace, Yonkers, N. Y.
- SKINNER, James D. (1915), Engr., 1002 Gas and Elec. Bldg., and 909 Pearl St., Denver, Colo.
- SKINNER, Joseph A. (Associate, 1916), Treas., Wm. Skinner & Sons, Holyoke, Mass.
- SKINNER, Orville C. (1915), Wks. Mgr., Stand. Steel Wks. Co., and "Open Hearth," Burnham, Pa.
- SKINNER, Ramsay (1913), Treas., Reeves & Skinner Mchy. Co., 2211 Olive St., and 2638 Tennessee St., St. Louis, Mo.
- SKOGMARK, John (1912), Cons. Engr., Pierce & Skogmark, Inc., 35 Nassau St., New York, N. Y.
- *SLADE, Arthur J. (1904), Capt., Aviation Sec., U. S. A., care of Ch. Signal Officer, Washington, D. C., and *for mail*, 172 E. 72nd St., New York, N. Y.
- *SLADE, Henry L., Jr. (Junior, 1917), 1st Lieut., Ord. Dept., U. S. R., 1727 Q St., N. W., Washington, D. C.
- SLADER, Walter (1915), M. E., John A. Stevens, 8 Merrimack St., and 100 Fort Hill Ave., Lowell, Mass.
- SLADKY, Alexander C. (1916), Asst. Supt., Natl. Enameling & Stamping Co., 907 St. Paul Ave., and *for mail*, 878 14th St., Milwaukee, Wis.
- SLATER, Surrey W. (Associate-Member, 1915), Engr., St. Maurice Paper Co., Ltd., Cape Magdaine, Champlain Co., Quebec, Canada.
- SLATER, William A. (Associate, 1916), Supt., Gulf Refining Co., P. O. Box 1024, Fort Worth, Tex.
- SLAUGHTER, Benjamin G., Jr. (1911), V. P., Genl. Mgr., Bird Coal & Iron Co., Talladega, Ala., also Cons. Engr. and *for mail*, 819 Pennsylvania Bldg., Philadelphia, Pa.

- SLAUGHTER, Wm. B., Jr. (Associate-Member, 1917), M. E., Supt., Marine Mech. Wks., San Pedro, and *for mail*, 1749 W. 43rd St., Los Angeles, Cal.
- SLAUSON, Harold W. (Junior, 1908), Mgr. Motor Dept., Leslie's Weekly, 225 Fifth Ave., New York, and 99 Walworth Ave., Hartsdale, N. Y.
- SLEE, Norman S. (1909; 1913), Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and *for mail*, 81 Hillside Rd., El Mora, Elizabeth, N. J.
- SLEFFEL, Charles C. (1913), Asst. Prof. M. E., Columbia Univ., and 207 W. 100th St., New York, N. Y.
- SLICHTER, Walter I. (1902; 1912), Prof. E. E., Elec. Engrg. Dept. Columbia Univ., and 450 Riverside Drive, New York, N. Y.
- SLIDELL, Kemper (Associate-Member, 1915), Dist. Rep., The Anglo Am. Mill Co., Inc., of Owensboro, Ky., 217 Rialto Bldg., and *for mail*, 548 Park Ave., Kansas City, Mo.
- SLINING, George J. (1909), Supt., Cleveland-Cliffs Iron Co., and 621 Michigan Ave., Gladstone, Mich.
- SLOAN, Ben (Associate-Member, 1913), Salesman, Pratt & Whitney Co., 111 Broadway, New York, N. Y.; also 528 Towns St., Greenville, S. C.
- SLOAN, Robert F. (Associate-Member, 1915), Pres., Charlevoix Abstract & Engrg. Co., Charlevoix, Mich.
- SLOANE, Charles O'C. (Junior, 1910), Allied Mch. Co. of Amer., 120 Broadway, New York, and *for mail*, Ocean Point Ave., Cedarhurst, L. I., N. Y.
- SLOAT, Halbert M. (1915), Rep., Middletown Car Co., 109 Avenida Rio Branco, C. C. 1634 Rio de Janeiro, Brazil, S. A., and 35 N. 10th Ave., Mt. Vernon, N. Y.
- SLOCUM, Myles S. (Junior, 1917), V. P., Slocum, Avram & Slocum, Inc., 531 W. 21st St., New York, N. Y.
- SLOMAN, Cheri M. (Junior, 1917), Designer, 130 E. Montcalm St., and *for mail*, 23 Euclid Ave., E., Detroit, Mich.
- SLOMAN, Hubert E. (Junior, 1917), Draftsman, Union Pacific R. R., and *for mail*, 502 S. 36th St., Omaha, Neb.
- SLOMER, Wm. F. (1909), Genl. Sales Mgr., Serv. Engr., Fellows Gear Shaper Co., Springfield, Vt., and *for mail*, 131 Lothrop Ave., Detroit, Mich.
- SLUSS, Alfred H. (1913), Asst. Prof. M. E., Mech. Lab., Univ. of Kan., and *for mail*, 1122 Ohio St., Lawrence, Kan.
- SLY, Fredrick S. (Associate, 1913), Bus. Mgr., The Architectural & Bldg. Press, Inc., 243 W. 39th St., and 543 W. 162nd St., New York, N. Y.
- SMALL, Frank W. (1913), Generating Dept., Pac. Gas & Elec. Co., 445 Sutter St., San Francisco, and *for mail*, 5488 Taft Ave., Oakland, Cal.
- SMALL, H. J. (1884), Vice-President, 1893-1895; Life Member; Acampo, Cal.
- SMALLBONE, Harry E. (1915), Asst. Supt., King Sewing Mch. Co., Rano and Welland Sts., and 91 Exeter Terrace, Buffalo, N. Y.
- SMALLWOOD, Julian C. (1913), Fellow, Johns Hopkins Univ., Baltimore, Md., and Chadwick, Ocean Co., N. J.
- SMALLWOOD, Richard L. (Associate, 1917), Genl. Sales Mgr., Dodge Mfg. Co., Ltd., West Toronto, and *for mail*, 205 Keele St., Toronto, Ont., Canada.
- SMART, Charles E. (1914), Wks. Mgr., Wells Bros. Co. Div., Greenfield Tap & Die Corp., and *for mail*, 127 High St., Greenfield, Mass.
- SMART, Richard A. (1894; 1900; 1906), Tacony Steel Co., Tacony Ordnance Corp'n, Tacony, Philadelphia, Pa.
- SMEAD, William H. (1906; 1911), Mgr. Heating and Equip. Dept., The Austin Co., Cleveland, O.

- SMERLING, Carl (Associate-Member, 1915), Pres., Huber Hand Stoker Co., Inc., 21 Park Row, New York, and *for mail*, 786 St. Johns Pl., Brooklyn, N. Y.
- SMETTERS, Samuel T. (1916), Asst. Bridge Engr., Sanitary Dist. of Chicago, Rm. 700, 910 S. Michigan Ave., and 6018 Stony Island Ave., Chicago, Ill.
- SMITH, A. Parker (1887), Counsel in Pat. Cases, 61 Broadway, and 57 N. 58th St., New York, N. Y.
- SMITH, Abram E. (1916), Asst. Master Car Builder, Union Tank Line Co., 26 Broadway, New York, and Huguenot Pk., S. I., N. Y.
- SMITH, Albert C., Jr. (Junior, 1917), Draftsman, Combustion Engrg. Corp'n, 11 Broadway, New York, N. Y., and *for mail*, 211 W. Grand St., Elizabeth, N. J.
- SMITH, Albert H. (1916), Production Engr., Sefton Mfg. Corp'n, 1301 W. 35th St., Chicago, and 264 Thatcher Ave., River Forest, Ill.
- SMITH, Albert K. (Junior, 1917), Asst. Ch. Draftsman, Westinghouse Lamp Co., Bloomfield, and *for mail*, 364 S. 7th St., Newark, N. J.
- *SMITH, Albert S. (1911), Capt., E. O. R. C.; Supt. of Bldgs. and Power, Mass Inst. of Tech., Cambridge, and *for mail*, 32 Oakland St., Winthrop, Mass.
- SMITH, Albert W. (1880; 1892), Dir., Sibley College, Cornell Univ., Ithaca, N. Y., and *for mail*, Saltville, Va.
- SMITH, Allen C. (1902), Wks. Engr., Otis Elev. Co., Wells Ave., and *for mail*, 33 Morris St., Yonkers, N. Y.
- SMITH, Alton L. (1904), Prof. Drawing and Mch. Design, Worcester Poly. Inst., and *for mail*, 18 McKinley Rd., Worcester, Mass.
- SMITH, Alvin L. (Junior, 1914), Ch. Mech. Draftsman, Westcott & Mapes, 207 Orange St., and *for mail*, 223 Norton St., New Haven, Conn.
- SMITH, Arthur D. (1913), Asst. Engr., Washington Steel & Ordnance Co., P. O. Box 1812, and *for mail*, 1329 Valley Pl., S. E., Washington, D. C.
- SMITH, Augustus (1902), Pres., Bergen Point Iron Wks., foot W. 5th St., Bayonne, N. J.
- SMITH, Bruno M. (Associate-Member, 1916), Chief Draftsman, Colt's Patent Fire Arms Mfg. Co., and 175 Barker St., Hartford, Conn.
- SMITH, Cameron C. (1906), Pres. Union Steel Castings Co., and 719 N. Negley Ave., Pittsburgh, Pa.
- SMITH, Carl D. (Junior, 1909), Supt., Hazel-Atlas Glass Co., and *for mail*, 59 McKennan Ave., Washington, Pa.
- SMITH, Carroll W. (Junior, 1916), Inspr. Ships Timbers, C. A. Smith Lumber & Mfg. Co., Mansfield, Ore., and *for mail*, 2930 Avalon Ave., Berkeley, Cal.
- SMITH, Charles H. (1914), Spec. Inspr., Associated Factory Mut. Fire Ins. Co., Rm. 510, 31 Milk St., Boston, and *for mail*, 12 Boston Ave., West Medford, Mass.
- SMITH, Charles P. (Junior, 1888), Pacific Mills, Lawrence, and *for mail*, 78 Pleasant St., Methuen, Mass.
- *SMITH, Charles W. (Junior, 1916), 2d Lieut., S. O. R. C., Am. Exped. Forces, France; Presidio of San Francisco, and *for mail*, 707 W. 28th St., Los Angeles, Cal.
- SMITH, Clayton O. (1917), Sales Mgr., Norton Grinding Co., New Bond St., and *for mail*, 10 Clearview Ave., Worcester, Mass.
- SMITH, Dolph I. (Associate-Member, 1917), Ch. Engr., Hill Pump Co., and 1115 W. 8th St., Anderson, Ind.
- SMITH, Dyer (Associate, 1913), Pat. Lawyer, S. O. Edmonds, 32 Liberty St., New York, N. Y., and 9 Wilde Pl., Montclair, N. J.

- SMITH, E. Burton (Junior, 1905), Westinghouse Lamp Co., Bloomfield, and 4 Linwood Terrace, Caldwell, N. J.
- SMITH, Edric B. (Associate-Member, 1913), Asst. Mgr., Rockefeller Inst., 6th St. and Ave. A, New York, and 473 E. 18th St., Flatbush, Brooklyn, N. Y.
- SMITH, Edward F. (Associate, 1917), Pres., Genl. Mgr., Greenfield Mch. Co., and *for mail*, 19 James St., Greenfield, Mass.
- SMITH, Edward J. (1904), 30 Church St., New York, N. Y.
- SMITH, Edward W. G. (Associate-Member, 1916), Ch. Draftsman, Am. Steam Gauge & Valve Mfg. Co., 208 Camden St., and *for mail*, Box 128, Back Bay, Boston, also 18 Kempton St., Roxbury, Mass.
- SMITH, Edwin D. (1914), Ch. Engr., United Rys. Co., 3869 Park Ave., and 4127 Magnolia Ave., St. Louis, Mo.
- SMITH, Elmer (1913), Turbine Sales Engr., Genl. Elec. Co., 84 State St., Boston, Mass.
- SMITH, Eugene (Associate-Member, 1914), Dist. Mgr., Detroit Stoker Co., 515 Garfield Bldg., and 1660 E. 82d St., Cleveland, O.
- *SMITH, Frederick C. (1913), 2nd Lieut., (Reserve); Pres., Petroleum Ref. Co., V. P., Am. Petroleum Co., Carter Bldg., and *for mail*, 2120 La Branch St., Houston, Tex.
- SMITH, George H. (1881), Pres., The Beaman & Smith Co., and 51 Humboldt Ave., Providence, R. I.
- SMITH, George M. (1904; 1915), Ch. Engr., Interstate Iron & Steel Co., 118th St., and Calumet River (East Side), Chicago, Ill.
- SMITH, Gershom (Associate, 1917), Vice Pres., Mgr. Systems Dept., The Tabulating Machine Co., Rm. 1837, 50 Broad St., and 800 Riverside Drive, New York, N. Y.
- SMITH, H. Raymond (1916), Mech Engr., Raymond Concrete Pile Co., 140 Cedar St., New York, and 408 Park Pl., Brooklyn, N. Y.
- SMITH, Harold A. (Junior, 1915), Mgr. Plant Dept., W. H. McElwain Co., and *for mail*, 12 Pennacook St., Manchester, N. H.
- SMITH, Harold B. (1894), Prof. E. E., Cons. Engr., Dir. Elec. Engrg. Dept., Worcester Poly. Inst., and 20 Trowbridge Rd., Worcester, Mass.
- SMITH, Harry E. (1894; 1903), Prof., Steam Engrg., Supt. Power Plant, Agri. and Mech. College of Tex., College Station, Tex.
- SMITH, Harry F. (1908), Secy., Genl. Mgr., Smith Gas Engrg. Co., Lexington, O.
- SMITH, Harry J. (1909), Wks. Mgr., Ch. Engr., Hill Clutch Co., Cleveland, and 1453 Elmwood Ave., Lakewood, O.
- SMITH, Herbert J. (Junior, 1913), Supt., Russell Mfg. Co., and *for mail*, 21 West St., Greenfield, Mass.
- *SMITH, Horace L., Jr. (Junior, 1917), 1st Lieut., 1st Regt. of Engrs., Am. Expeditionary Forces, France; Secy., Horace L. Smith & Co., Inc., Petersburg, Va.
- SMITH, Horace Milliken (1913), Ch. Engr., Liquid Carbonic Co., 3100 S. Kedzie Ave., and 5208 Dorchester Ave., Chicago, Ill.
- SMITH, Howard W. (Junior, 1892), Ch. Engr., Stand. Eng. Co., and *for mail*, P. O. Box 126, Ellwood City, Pa.
- SMITH, J. Edgar (Junior, 1917), Loco. Designer, Great North. Ry. Co., Railway Bldg., and *for mail*, 527 Capitol Blvd., St. Paul, Minn.
- SMITH, J. Waldo (1896), Ch. Engr., Bd. of Water Supply, City of New York, Municipal Bldg., and 145 E. 35th St., New York, N. Y.
- SMITH, James A. (1913), Genl. Supt., Genl. Elec. Co., and *for mail*, 20 Ballston Rd., Schenectady, N. Y.
- SMITH, James C. (1915), V. P., Supt., McNab & Harlin Mfg. Co., and 667 E. 29th St., Paterson, N. J.
- SMITH, James W. (1909), 16 Hamilton Rd., Brookline, Mass.

- SMITH, Jesse Merrick (1883), Manager, 1891-1894; Vice-President 1894-1896, 1899-1901; President, 1909; Life Member; Cons. Engr., 194 Riverside Drive, New York, N. Y.
- SMITH, John S. (1912), Engr., S. Pearson & Sons, Ltd., 47 Parliament St., Westminster, London, S. W., and 36 Creffield Rd., Ealing, London W. 5, England.
- SMITH, L. P. C. (Junior, 1906), Ch. Draftsman Gas Eng. Dept., Allis-Chalmers Mfg. Co., and *for mail*, 546 72nd Ave., West Allis, Wis.
- SMITH, Lloyd G. (Junior, 1916), Combustion Engr., Stand. Oil Co., and *for mail*, 1348 Amy Ave., Whiting, Ind.
- SMITH, Mark E. (Junior, 1908), Union Iron Wks., and *for mail*, 227 W. 18th St., Erie, Pa.
- SMITH, Merrill Van G. (1915), Prof. M. E., Delaware College, Newark, Del.
- SMITH, Oberlin (1881), Manager, 1883-1886; President, 1890; Pres., Engr., Ferracute Mch. Co., Res., Lockwold, Bridgeton, N. J.
- SMITH, Percy C. (Junior, 1913), Production Mgr., Hart & Hegeman Mfg. Co., and *for mail*, 241 Sigourney St., Hartford, Conn.
- SMITH, Persifor F., Jr. (1904), Genl. Supt. M.P., Pa. Lines West of Pittsburgh, and *for mail*, 1002 Pennsylvania Sta., Pittsburgh, Pa.
- SMITH, Peter M. (Junior, 1915), Ch. Draftsman, Stand. Engrg. Co., and *for mail*, 516 Lawrence Ave., Ellwood City, Pa.
- SMITH, Peter P., Jr. (Junior, 1916), Chief Cons. Engr., Bell Automobile Corp., 280 Broadway, and 101 Park Ave., New York, N. Y., and *for mail*, 2624 Blvd., Jersey City, N. J.
- SMITH, Philip C. (1916), Supt. Fdy., Ingersoll-Rand Co., Phillipsburg, N. J., and *for mail*, Sullivan St., Easton, Pa.
- SMITH, Preston M. (1916), Sales Dept., Allied Mchy. Co. of Amer., 19 Rue Rocroy, Paris, France, and *for mail*, 1615 W. Genesee St., Syracuse, N. Y.
- *SMITH, Robert W. (1890), 2nd Lieut., E. O. R. C., 106th Engrs., V. P., Hilles & Jones Co., and *for mail*, 1105 Franklin St., Wilmington, Del.
- SMITH, Robert Wm. (1914), Constr. Engr., Mich. Alkali Co., and 54 Vine St., Wyandotte, Mich.
- SMITH, Rodney W. (1916), Hartford Steam Boiler Inspe. & Ins. Co., Rm. 614, Security Bldg., St. Louis, Mo.
- SMITH, Roy B. (1905; 1912), M. P. Inspr., Pa. Lines West, and 356 14th Ave., Columbus, O.
- SMITH, Roy H. (1906; 1917), Treas., Genl. Mgr., The Falls Rivet Co., and 451 Park Ave., Kent, O.
- SMITH, Sanford C. (1914), Mgr., McClave-Brooks Co., Rm. 351, 50 Church St., New York, N. Y.
- SMITH, T. Carpenter (1886), Life Member; "Havod," Constant Spring P. O., St. Andrews, Jamaica, West Indies.
- SMITH, Thomas A. (Associate-Member, 1916), M. E. Wks. Engr's. Dept., Remington Arms Union Metallic Cartridge Co., 939 Barnum Ave., and *for mail*, 720 Noble Ave., Bridgeport, Conn.
- SMITH, Thomas W. (1917), M.E., Quartermaster Corps, U.S.A., Rm. 306 Union Sta., and *for mail*, 639 G St., N.E., Washington, D. C.
- SMITH, Walter J. (Associate-Member, 1915), Mgr., J. S. Thorn Co., 20th and Allegheny Ave., and *for mail*, 1035 S. 54th St., Philadelphia, Pa.
- SMITH, William (1911), Genl. M. M. Worth Bros., Midvale Steel Co., and 1 Brown's Apts., Lincoln Highway, Coatesville, Pa.
- SMITH, William (1917), Spec. Wk., Henry Disston & Sons, Inc., and *for mail*, 6942 Marsden St., Tacony, Philadelphia, Pa.

- SMITH, William Earheart (Junior, 1908), Traveling Engr., Babcock & Wilcox Co., and *for mail*, 92 Trask Ave., Bayonne, N. J.
- SMITH, Wm. Edward (1900), Pres., Swedish Portland Cement Mfg. Co., P. O. Box 263, and *for mail*, Strelna, Petrograd, Russia.
- SMITH, William H. (Junior, 1916), Engrg. Dept., Alpha Portland Cement Co., First Natl. Bank Bldg., and *for mail*, 816 Porter St., Easton, Pa.
- SMITH, William H. (1911), Engr., Ford Motor Co., and *for mail*, 63 Burlingame Ave., Detroit, Mich.
- SMITH, Wm. W. (1909), Behn Bros., Inc., San Juan, Porto Rico.
- *SMITH, William Walker (1912), Lieut. U. S. N., Chief Engr., The Federal Shipbuilding Co., 54 Dey St., New York, N. Y.
- SMITHWICK, N. Austin (1916), 41 Winter St., Portland, Me.
- SMOCK, Harold E. (Associate-Member, 1917), Ch. Draftsman, Cohoes Rolling Mill Co., Cohoes, N. Y.
- *SNAVELY, A. Bowman (Junior, 1916), 2nd Lieut., C. A., O. R. C., Ft. Dupont, Del., Asst. M. M., Hershey Chocolate Co., and *for mail*, Box 174, Hershey, Pa.
- SNEDDON, James P. (1891), Genl. Supt., The Babcock & Wilcox Co., and 799 Ave. A, Bayonne, N. J.
- SNEDEKER, Theodore A. (Associate, 1917), Asst. Treas., The Taft-Pierce Mfg. Co., 233 Broadway, New York, N. Y.
- SNELL, Lyle K. (1914), Engr., Willys Overland Co., Toledo, Ohio, and 150 Gladstone Ave., Detroit, Mich.
- SNODGRASS, John McB. (1904; 1913), Asst. Prof. Ry. Mech. Engrg., Univ. of Ill., Urbana, and 306 Armory Ave., Champaign, Ill.
- SNOW, Elmer J. (1914), Mahwah, N. J.
- SNOW, Norman L. (Junior, 1910), V. P., The Terry Steam Turbine Co., and 234 N. Beacon St., Hartford, Conn.
- SNOW, Sylvester M. (1890), Cons. Engr., 55 Kilby St., Boston, Mass., and *for mail*, 257 Gano St., East Side Sta., Providence, R. I.
- SNOW, Walter B. (1898), Publicity Engr., 136 Federal St., Boston, and 115 Russell Ave., Watertown, Mass.
- SNOW, Wm. G. (1905), N. E. Mgr., Warren Webster & Co., 24 Milk St., Boston, and 11 Devon Rd., Newton Centre, Mass.
- SNYDER, Frederick W. (Associate-Member, 1916), Instr. Mchy., Williamson Free Sch. of Mech. Trades, Williamson School, Delaware Co., Pa.
- SNYDER, George T. (1912), Ch. Engr., Lorain Wks., The National Tube Co., Lorain, and 232 E. 6th St., Elyria, O.
- SNYDER, Herbert W. (1917), Asst. to V. P. in charge Engrg., Lima Loco. Wks., Inc., and 326 S. Jameson Ave., Lima, Ohio.
- SNYDER, Leo H. (Junior, 1907), Joseph Dixon Crucible Co., and 782 Montgomery St., Jersey City, N. J.
- SNYDER, Thomas A. (Junior, 1914), Engr., Bucyrus Co., South Milwaukee, and 604 Wentworth Ave., Milwaukee, Wis.
- SNYDER, William E. (1900), M. E., Am. Steel & Wire Co., 1165 Frick Annex, and *for mail*, 1822 Morrell St., N. S., Pittsburgh, Pa.
- *SNYDER, Wm. R. (Junior, 1911), Lieut., O. D., O. R. C., U. S. A., 1800 E. St., N. W., Washington, D. C.
- SNYPP, Charles E. (1912), Dist. Engr., The So. Cotton Oil Co., and *for mail*, Gretna, La.
- SODERSTROM, Karl A. (1917), Designing Engr., The Midvale Steel Co., Nicetown, and *for mail*, 16F Hansberry St., Philadelphia, Pa.
- SOLLER, Walter (Junior, 1917), Fellow in M. E., Dept. of Mech. Engrg., Univ. of Cincinnati, and *for mail*, 2515 Talbott Ave., Cincinnati, Ohio.

- SOLOMON, Gabriel R. (1916), Cons. Engr., Solomon-Norcross Co., 1625 Candler Bldg., and 80 E. 5th St., Atlanta, Ga.
- SOMERVILLE, George N. (Associate-Member, 1917), Engr., Skandia Pacific Oil Eng. Co., 2893 Glasscock St., Oakland, and 742 Treat Ave., San Francisco, Cal.
- SOMERVILLE, W. A. S. (Associate-Member, 1914), M. E., Quaker Oats Co., and *for mail*, 117 Storer Ave., Akron, O.
- SONDERMAN, Herman C. (Associate-Member, 1917), Brooklyn Rapid Transit System, 500 Kent Ave., and *for mail*, 27 Crescent Pl., Brooklyn, N. Y.
- SONN, George P. (1915; Associate-Member, 1916), Engr., Bridgeport Brass Co., East Main St., and *for mail*, 2990 Main St., Bridgeport, Conn.
- SOPER, Cleveland C. (Associate-Member, 1917), Instr. Mch. Drawing, Mch. Design, Wentworth Inst., Boston, and *for mail*, 27 Paulina St., Somerville, Mass.
- SOPER, Ellis (1905; 1908; 1917), Cons. Engr., Chattanooga, and St. Elmo, Tenn.
- SORGE, Adolph, Jr. (1886), M. E., Mfr's. Rep., A. Sorge, Jr. & Co., 1537-1538 Monadnock Blk., Chicago, Ill., and Langley Ave., R. F. D. 2., Box 3, St. Joseph, Mich.
- SORROW, Walter J. (1913), Supt. of Production Plant Dept., Winchester Repeating Arms Co., and *for mail*, 80 Pond St., New Haven, Conn.
- SORZANO, Julio F. (1884), Life Member; Cons. C. and M. E., Pres., Pan-Am. Chamber of Commerce, 42 Broadway, New York, and *for mail*, 228 Garfield Pl., Brooklyn, N. Y.
- SOSSONG, Raymond A. (Junior, 1917), Mech. Supt. Acetylene Plants, Air Reduction Sales Co., 31st and Homan Ave., and 5004 W. Monroe St., Chicago, Ill.
- SOUBA, William H. (1914; 1917), Partner, C. D. Howe & Co., Cons. Engrs., and *for mail*, Box 510, Port Arthur, Ont., Canada.
- SOUTH, Furman, Jr. (Junior, 1913), Charge Cost Dept., Riter-Conley Mfg. Co., Leetsdale, and *for mail*, 15 Maple Lane, Edgeworth, Allegheny Co., Pa.
- SOUTHWORTH, Martin O. (1907), E. E., Fairbanks, Morse & Co., 900 S. Wabash Ave., and *for mail*, 4555 Malden St., Chicago, Ill.
- SOVERHILL, Harvey A. (1909), Engr., Root & Van Dervoort Corp'n. Co., East Moline, and 623 23d St., Moline, Ill.
- SOWDEN, Parkin T. (1908; Associate-Member, 1915), Asst. Genl. Mgr., Arkell & Smith, Canajoharie, N. Y.
- SOWERS, David W. (1915), Pres., Sowers Mfg. Co., 1300 Niagara St., and 51 Cleveland Ave., Buffalo, N. Y.
- SPACKMAN, Major Henry S. (1899), Pres., Henry S. Spackman Engrg. Co., 2024 Arch St., Philadelphia, and 105 Ardmore Ave., Ardmore, Pa.
- SPALDING, Chester M. (1894), M.E., Genl. Elec. Co., and *for mail* 306 E. 8th St., Erie, Pa.
- SPARKES, J. Gordon (Junior, 1916), M.E., Robert D. Johnston, Jr., Pat. Atty., 303 Amer. Trust Bldg., and 3384 Highland Ave., Birmingham, Ala.
- SPARKS, Hubert C. (1913), Lt. Col., Chas. P. Sparks, 66-71 Moorgate Ct., Moorgate St., London, E. C. (2) and Suffolk House, Putney Hill, London, S. W., 15 England.
- SPARROW, John P. (1898), Ch. Engr., The N. Y. Edison Co., Irving Pl. and 15th St., New York, and 279 E. 16th Street, Brooklyn, N. Y.
- SPATZ, Ralph L. (Junior, 1916), Erecting Engr., H. Koppers Co., care of Natl. Tube Co., and 224 5th St., Lorain, O.
- *SPAULDING, Hollon C. (1890), Capt. U. S. R., Purchase Sec., Gun Div., O.D., 122 E. 34th St., New York, N. Y.

- SPEAR, Grant W. (1914), V. P., East. Mgr., Dearborn Chem. Co., 299 Broadway, and 838 West End Ave., New York, N. Y.
- SPEAR, Lawrence Y. (1915), V. P., Elec. Boat Co., Groton, and Gardner Ave., New London, Conn.
- SPEAR, Maynard H. (1915), Secy., Genl. Mgr., N. Y. & Queens Gas. Co., 88 Main St., and 252 Barclay St., Flushing, L. I., N. Y.
- SPEAR, Walter A. (Associate-Member, 1917), Test. Engr., Cincinnati Milling Mch. Co., and *for mail*, 2116 St. James Ave., Cincinnati, O.
- SPEARMAN, Guy M. (Junior, 1917), Draftsman, T. C. I. & R. R. Co., 1010 Woodward Bldg., and *for mail*, 2116 S. 10th Ave., Birmingham, Ala.
- SPEARMAN, John M. (Junior, 1916), Genl. Boiler Foreman, Tenn. Coal, Iron & R. R. Co., and *for mail*, 2808 Ensley Ave., Ensley, Ala.
- SPECHT, Victor G. (Junior, 1913), Draftsman M. P., Dept., I. R. T. Co., and N. Y. Rys. Co., New York, and *for mail*, 216 Willoughby Ave., Brooklyn, N. Y.
- SPECK, William C. (Associate-Member, 1916), Asst. Supt., The Buckeye Steel Castings Co., and 916 Madison Ave., Columbus, O.
- SPEED, William S. (1900; 1904), Pres., Louisville Cement Co., 315 Guthrie St., and *for mail*, 523 Park Ave., Louisville, Ky.
- SPEER, Charles H. (Associate, 1907), Ch. Engr., Algona Steel Corp., and *for mail*, 173 McDougall St., Sault Ste. Marie, Ont., Canada.
- SPEER, J. Ramsey (1917), Pres., Pittsburgh Iron & Steel Foundries Co., Oliver Bldg., Pittsburgh, Pa., and *for mail*, Wilderness Farms, Trappe, Talbot Co., Md.
- *SPENCER, C. G. (1911), 1st Lieut., Lt. A. S. S. O. R. C. Supt. of Cons., Cons. Div., S. C. office of the Ch. Signal Officer, Wash., D. C., and 15 W. 8th St., New York, N. Y.
- SPENCER, Frank C. (1908; 1912), Efficiency Engr., Western Elec. Co., Hawthorne, Sta., and *for mail*, 511 N. Lockwood Ave., Chicago, Ill.
- *SPENCER, Furman G. (Associate-Member, 1916), Capt. Ord. Dept., U. S. R., Watervliet Arsenal, Watervliet, and 267 Hoosick St., Troy, N. Y.
- SPENCER, Ira H. (1913), Pres., The Spencer Turbine Cleaner Co., V. P., Organ Power Co., 618 Capitol Ave., Hartford, and *for mail*, 11 Mountain Rd., West Hartford, Conn.
- SPENCER, Orrie G. (Associate-Member, 1917), M. M., Lyon Lumber Co., Garyville, La.
- SPERLING, Nathaniel J. (1916), Supt. Mech. Dept., Astoria Light, Heat & Power Co., Astoria, L. I., and *for mail*, 510 W. 140th St., New York, N. Y.
- SPERRY, Elmer A. (1910), Life Member; Pres., Engr., The Sperry Gyroscope Co., Manhattan Bridge Plaza, and *for mail*, 1505 Albermarle Rd., Brooklyn, N. Y.
- SPERRY, Samuel E., Jr. (Junior, 1917), Draftsman, M. P. Dept., Interborough Rapid Transit Co., 621 Broadway, New York, and *for mail*, 4011 Ferris St., Woodhaven, L. I., N. Y.
- SPICE, Charles G. (Junior, 1913), Ch. Exper. Engr., Detroit Lubricator Co., 1278 Trumbull Ave., and *for mail*, 123 Delaware Ave., Detroit, Mich.
- SPICER, Charles W. (Associate-Member, 1915), M. M., Fernwood Lumber Co., Fernwood & Gulf R. R., Fernwood, Miss.
- SPICER, Clarence W. (1913), V. P., Ch. Engr., Spicer Mfg. Corp., S. Plainfield and 417 Central Ave., Plainfield, N. J.
- SPIDY, Edgar T. (Junior, 1912), Production Engr., Canadian Ingersoll-Rand Co., and 14 Bank St., Sherbrooke, P. Q., Canada.

- SPIEGELHALTER, Charles (Associate-Member, 1916), Asst. Foreman, Designer Paper Mch. Dept., The Pusey & Jones Co., and *for mail*, 9 E. 14th St., Wilmington, Del.
- SPILLMAN, Harry S. (Junior, 1910), Pres., Natl. Constr. Co., and *for mail*, 1537 Second Ave., Detroit, Mich.
- SPILSBURY, Edmund G. (1890), Cons. Engr., E. G. Spilsbury Engrg. Co., 45 Broadway, New York, and 1623 Albermarle Rd., Brooklyn, N. Y.
- SPILSBURY, Raymond G. (1914), Engr., Designer, John Robertson & Co., 127 Water St., and *for mail*, 486 Westminster Rd., Brooklyn, N. Y.
- SPIRO, Charles (1908), Pres., The Visigraph Typewriter Mfg. Co., 39 W. 116th St., and *for mail*, 10 W. 121st St., New York, N. Y.
- SPITZGLASS, J. M. (1914), V. P., Cons. Engr., Republic Flow Meters Co., 565 Washington Blvd., and 1145 N. Sacramento Ave., Chicago, Ill.
- SPOFFORD, Harry H. R. (Junior, 1915), Sales Engr., Schutte & Koerting Co., 10 High St., Boston, and 11 Cherry St., Hudson, Mass.
- SPONSEL, Charles W. (1902), Pres., Treas., The Sponsel Co., 647 Main St., and *for mail*, 8 Chapin Pl., Hartford, Conn.
- SPONSLER, Charles F. (1904; 1912), Treas., W. P. Mackenzie Co., Pennsylvania Bldg., and *for mail*, 6148 Oxford St., Philadelphia, Pa.
- SPOTTON, Arthur K. (Junior, 1906), Ch. Engr., Goldie & McCulloch Co., Ltd., Galt, Ont., Canada.
- SPRADO, Carl G. (1903), Engr. in Charge Gas and Oil Engines, Allis-Chalmers Mfg. Co., and *for mail*, 733 28th St., Milwaukee, Wis.
- SPRADO, Ralph (1900), Cons. Engr., Sprado Engrg. Co., 704 Am. Bank Bldg., Los Angeles, and 1402 Morningside Ct., Hollywood, Cal.
- SPRAGUE, Benjamin O. (1913), Genl. Supt., Savannah Sugar Refg. Corp., Savannah, Ga.
- SPRAU, William C. (1910; 1913), Treas., M. E., Barnes Wire Fence Co., 552 Ferry Park Ave., and 29 Churchill Ave., Detroit, Mich.
- SPRECKELS, Charles H., Jr. (Junior, 1917), Asst. Engr., N. Y. Refinery of Natl. Sugar Refining Co. of N. J., Front St., Long Island City, and *for mail*, 1222 Carroll St., Brooklyn, N. Y.
- SPRINGER, John J. (Junior, 1903), Asst. Mgr., Crane Co., 824 Broadway, Cincinnati, and *for mail*, 4815 Marion Ave., Norwood, O.
- SPRINGER, Russell S. (1913), V. P., The Holt Mfg. Co., and Yosemite Club, Stockton, Cal.
- SPRONG, Severn D. (1912), E. E., Edison Elec. Ill. Co. of Brooklyn, 360 Pearl St., and 533 Second St., Brooklyn, N. Y.
- SPRUANCE, Wm. C., Jr. (1906), Dir. Explosives Mfg. Dept., E. I. du Pont de Nemours & Co., du Pont Bldg., and 2507 W. 17 St., Wilmington, Del.
- SPURLING, Oliver C. (1907), Asst. Genl. Supt., West. Elec. Co., Inc., Hawthorne Sta., Chicago, and 224 S. Ridgeland Ave., Oak Park, Ill.
- SQUIRE, Milford B. (Junior, 1917), E. V. Anderson Contr., 39 Market St., Poughkeepsie, and *for mail*, 88 Hancock St., Brooklyn, N. Y.
- SQUIRE, Raymond S. (Junior, 1912), Asst. Supt., Victor Saw Wks., and *for mail*, 16 Rupert St., Springfield, Mass.
- SQUIRES, John (1917), V. P., Genl. Mgr., Signal Motor Truck Co., and 1019 E. Grand Blvd., Detroit, Mich.
- STADLER, Charles (1914), Ch. Engr., The Stadler Engrg. Co., 327 So. La Salle St., and 6455 Greenwood Ave., Chicago, Ill.
- STAEGE, Stephen A. (Associate-Member, 1917), Cons. Hyd. and E. E., 212-216 Charlebois Bros. Bldg., and *for mail*, 125 Ward St., Watertown, N. Y.

- STAFFORD, Benjamin E. D. (Junior, 1895), V. P., Genl. Mgr., Flannery Bolt Co., Vanadium Bldg., and 4335 Schenley Farms Terrace, Pittsburgh, Pa.
- STAFFORD, Hal R. (1917), M. E., Economy Devices Corp'n, 30 Church St., New York, N. Y., and *for mail*, 1100 Putnam Ave., Plainfield, N. J.
- STAFFORD, Norman L., Jr. (Junior, 1916), Smith Premier Wks., Remington Typewriter Co., and *for mail*, 310 Stratford St., Syracuse, N. Y.
- STALEY, Allen C. (Associate-Member, 1914), Research Engr., Stanley Motor Carriage Co., Newton, Mass.
- STALEY, Frederick W. (Associate, 1917), Fuel Engr., The Texas Co., 17 Battery Pl., New York, N. Y., and 75 Hollywood Ave., East Orange, N. J.
- STANBROUGH, Duncan G. (Associate, 1907), Genl. Supt., Packard Motor Car Co., and 571 Field Ave., Detroit, Mich.
- STANCLIFF, Arthur D. (Junior, 1912), Supt., West. States Portland Cement Co., Independence, Kan.
- STANDLEY, Albert H. (Junior, 1899), V. P., Genl. Supt., Downington Mfg. Co., and *for mail*, Box 3, and 336 E. Lancaster Ave., East Downington, Pa.
- STANFORD, J. Verne (1911), Prof. M. E., Univ. of Pa., Engrg. Bldg., and 218 S. Farragut St., Philadelphia, Pa.
- STANGLAND, B. F. (1889; 1892), M. E., Ret., Morton, Orleans Co., N. Y.
- STANGLAND, Robert S. (1916), M. E., W. S. Barstow & Co., 50 Pine St., New York, and 1 Leighton Ave., Yonkers, N. Y.
- STANIAR, William (1914; 1916), M. E., E. I. du Pont de Nemours & Co., 830 du Pont Bldg., and *for mail*, 801 W. 20th St., Wilmington, Del.
- STANLEY, Alix W. (1893; 1903), Pres., Stanley Rule & Level Co., and Box 704, New Britain, Conn.
- STANLEY, Frank A. (1911), Editorial Rep., Am. Machinist, Hill Bldg., New York, N. Y., and *for mail*, 21 Mill St., Reno, Nev.
- STANNARD, James M. (Associate, 1915), Pres., Treas., Stannard Power Equip. Co., Mgr. Chicago Office, Am. Steam Pump Co., 1220-1222 Monadnock Bldg., and 4547 Greenwood Ave., Chicago, Ill.
- STANSFIELD, Frank H. (Associate-Member, 1916), Supvr. Efficiency Wk., Bridgeport Brass Co., and *for mail*, 31 Pacific St., Bridgeport, Conn.
- STANTON, Robert B., Jr. (Associate-Member, 1917), Mgr. M. E. Dept., Frank L. Strong Mchy. Co., 64-68 Calle Exchange, Manila, P. I., and *for mail*, 700 West End Ave., New York, N. Y.
- STANWOOD, J. B. (1889), Manager, 1897-1900; V. P., Engr., Houston, Stanwood & Gamble Co., and *for mail*, 631 Lincoln Ave., Cincinnati, O.
- STAPLE, Sydney J. (Associate-Member, 1916), Draftsman, Designer, Homestake Mining Co., and *for mail*, 617 Sawyer St., Lead, S. D.
- STAPLES, H. A. (1903; 1916), Cons. Engr., 103 Park Ave., New York, N. Y., and 1052 Laurel Ave., Bridgeport, Conn.
- STARBUCK, George F. (Junior, 1901), Draftsman, Boston Elev. Ry. Co., Boston, and *for mail*, Waltham, Mass.
- *STARK, Willet E. (Junior, 1915), Lieut. C Company, 5th Engrs., Corpus Christi, Tex., and *for mail*, 7217 Hough Ave., Cleveland, O.
- STARKEY, L. Cheston (1916), Prof. M. E., Drexel Inst., 32d and Chestnut Sts., and *for mail*, 4909 Penn St., Frankford, Philadelphia, Pa.
- STARKWEATHER, Wm. G. (1897), Member of Firm, Starkweather & Broadhurst, 53 State St., Boston, and 17 Gibson Rd., Newtonville, Mass.
- STARR, Adolph (Associate-Member, 1917), Ch. Gage Inspr., Winchester Repeating Arms Co., and *for mail*, 58 Derby Ave., New Haven, Conn.

- STARR, Frederick W. (1912), Asst. to Factory Mgr., The Fisk Rubber Co., Chicopee Falls, and *for mail*, 94 Somerset St., Springfield, Mass.
- STARR, John E. (1905), Pres., Starr Engrg. Co., 90 West St., and 12 Fifth Ave., New York, N. Y.
- STARRETT, Goldwin (1914), Arch., Mem. of Firm, Starrett & Van Vleck, 8 W. 40th St., New York, and 286 Washington Ave., Glen Ridge, N. Y.
- STATES, L. A. (1917), Cons. Engr., Box 303, Gastonia, N. C.
- STAUDE, Edwin G. (1908; 1917), Pres., Genl. Mgr., E. G. Staude Mfg. Co., 2675 W. University Ave., St. Paul, and 1839 Kenwood Parkway, Minneapolis, Minn.
- STEALEY, Wm. G. (Associate-Member, 1917), Mech. Supt., British Cordite Co., Nobel, Ont., Canada.
- STEARNS, Harold E. (1914), Treas., Dominion Wadding Co., Ltd., and *for mail*, 8 McGregor St., Montreal, Canada.
- STEARNS, Karl T. (Associate-Member, 1917), Asst. Hyd. Engr., St. Lawrence River Power Co., and *for mail*, 45 Somerset Ave., Massena, N. Y.
- STEARNS, Thomas B. (1883), Vice-President, 1911-1913; Min. and M. E., 1720 California St., and 1218 Washington Ave., Denver, Colo.
- STEBBINS, Theodore (1903), 34 Gramercy Park, New York, N. Y.
- STEDMAN, Harold W. (Junior, 1917), Foreman in Elec. Dept., Chase Rolling Mill, and *for mail*, 36 Columbia Blvd., Waterbury, Conn.
- STEDMAN, James E. (1912), Engr., Bd. of Supvg. Engrs., Chicago Trac-tion, 105 S. La Salle St., and 862 Roscoe St., Chicago, Ill.
- STEE, Reuben M. (Junior, 1913), Pres., Sheyenne Valley Light & Power Co., Valley City, N. D.
- STEELE, Ben W. (Junior 1907), Pres. Atlanta & St. Andrews Bay Ry., Dothan, Ala.
- STEELE, Walter D. (1892; 1901), V. P., Benamin Elec. Mfg. Co., 120-128 S. Sangamon St., Chicago, and 1121 Chestnut Ave., Wilmette, Ill.
- STEEN, Arthur B. (1903), Producers Oil Co., Houston, Tex.
- STEENSTRUP, P. S. (1906), Genl. Mgr., Genl. Motors Export Co., 11 Broadway, New York, N. Y., and 1 Hamilton Rd., Glen Ridge, N. J.
- STEERE, Robert E. (1916), Mech. Supt., Lorraine Mfg. Co., and 522 West Ave., Pawtucket, R. I.
- STEINMETZ, Charles P. (1907), Ch. Cons. Engr., Genl. Elec. Co., and *for mail*, Wendall Ave., Schenectady, N. Y.
- STEINMETZ, Joseph A. (1914), Mem. of Firm, Janney, Steinmetz & Co., 4th and Market Sts., Philadelphia, and 736 Westview Ave., Germantown, Philadelphia, Pa.
- *STEM, Clifford H. (Junior, 1916), 2nd Lieut. E. O. R. C., U. S. A., and *for mail*, 7933 Poplar St., New Orleans, La.
- STEM, Frank B. (1915), Engr. of Production, Day & Zimmermann, 611 Chestnut St., and *for mail*, 234 E. Durham St., Philadelphia, Pa.
- STENBOL, Carl (Associate-Member, 1913), Mech. Supt., The Algoma Steel Co., and 167 Simpson St., Sault Ste Marie, Ont., Canada.
- *STEPANEK, Emil (Junior, 1916), Private, Battery B, 333rd, F. A., Bldg. No. 1153, S., Camp Grant, Ill.
- STEPHEN, Charles W. (Associate-Member, 1916), M. E., Pratt & Cady Co., 556 Capitol Ave., and *for mail*, 333 Washington St., Hartford, Conn.
- STEPHENS, Harry H. (Associate-Member, 1915), Wks. Mgr., Gillespie Mfg. Corp'n., 12th and Monmouth Sts., Jersey City, and 340 12th Ave., Paterson, N. J.

- STEPHENS, Phinehas V. (1910), Cons. Engr., Ga. Sch. of Tech., Atlanta, Ga.
- STEPHENS, Thomas S. (1914), Mch. Salesman, Manning, Maxwell & Moore, Inc., 119 W. 40th St., New York, N. Y., and 406 Prospect St., Cranford, N. J.
- STEPHENS, Willis C. (Associate-Member, 1914), 180 Chandler St., Buffalo, N. Y.
- STEPHENSON, Hermann (Junior, 1909), Eastman Kodak Co., Kodak Pk. Wks., and 81 S. Fitzburgh St., Rochester, N. Y.
- STERLING, Claude H. (Junior, 1916), Ch. Engr., Winther Motor Truck Co., Winthrop Harbor, Ill., and *for mail*, 613 S. Chicago St., Kenosha, Wis.
- STERN, Joseph H. (Junior, 1917), Asst. Engr., Aeolian Co., and 106 Center St., Garwood, N. J.
- STERNER, Edward J. (Junior, 1913), 26 S. Tenth Ave., Bethlehem, Pa.
- *STETSON, John B., Jr. (Associate, 1917), Aviation Sec., Signal Corps, U. S. A., Pres., Defiance Mfg. Co., and *for mail*, care of John B. Stetson Co., 5th and Montgomery Ave., Philadelphia, Pa.
- STEVENS, Alfred H. (1898; 1903), Partner, Stevens Bros., 149 Broadway, New York, and *for mail*, 400 Ninth St., Brooklyn, N. Y.
- STEVENS, Austin P. (Associate-Member, 1915), Ch. Engr., M. M., Cochrane Chem. Co., and *for mail*, 137 Broadway, Everett, Mass.
- STEVENS, Burt D. (1912), V. P., M. E., Miehle Ptg. Press & Mfg. Co., 14th and Robey Sts., Chicago, and 2502 Park Pl., Evanston, Ill.
- STEVENS, E. A. (Associate, 1889), Life Associate; Pres., Hoboken Land & Improvement Co., 1 Newark St., Hoboken, and Bernardsville, N. J.
- STEVENS, Everett M. (Associate-Member, 1915), New England Agt., Nashua Mch. Co., 127 Federal St., Boston, and 63 Hillsdale Rd., Medford Hillside, Mass.
- STEVENS, Harold L. (Associate, 1904), Dist. Sales Mgr., Lackawanna Steel Co., 40 Central St., Boston, Mass.
- *STEVENS, John A. (1902), Manager, 1915-1918; Cons. Engr., 8 Merrimack St., and 78 Hanks St., Lowell Mass.
- STEVENS, R. C. (1890; 1906), Ch. Engr., Skinner Eng. Co., and *for mail*, R. F. D. 1, Lincoln Rd., Erie, Pa.
- STEVENS, Ray P. (1916), Pres., Mahoning & Shenango Ry. & Light Co., Youngstown, O., V. P. and Engrg. Mgr., Republic Ry. & Light Co., 60 Broadway, New York, and *for mail*, 9233 Shore Road, Bay Ridge, Brooklyn, N. Y.
- STEVENS, Robert H. (1903; 1912), Partner Stevens Bros., 149 Broadway, New York, and Larchmont, N. Y.
- STEVENS, Sidney (1910), V. P., Ludlow Mfg. Associates, 111 Devonshire St., Boston, and 1 Mason St., Brookline, Mass.
- STEVENS, Wm. N. (Junior, 1886), Stevens-Aylsworth Co., 90 West St., New York, N. Y.
- STEVENS, Wm. N. (1917), Mch. Tool Design, Gisholt Mach. Tool Co., and 1330 Morrison St., Madison, Wis.
- STEVENSON, A. A. (1888), V. P. & Engr., Stand. Steel Wks. Co., 1103 Morris Bldg., Philadelphia, and *for mail*, 201 Kent Rd., Ardmore, Pa.
- STEVENSON, Barton (Associate, 1914), Mgr. Power & Railway Depts., Westinghouse Elec. & Mfg. Co., 1702 Union Bank Bldg., and 5548 Darlington Rd., Pittsburgh, Pa.
- STEVENSON, Louis T. (Junior, 1907), Treas., Mgr., Mountain Mill Paper Co., Lee, and 28 Reed St., Pittsfield, Mass.
- STEVENSON, William H. (1915), Secy., Power Plant Spec. Co., 53 W. Jackson Blvd., Chicago, and 604 S. Euclid Ave., Oak Park, Ill.

- STEWART, George H. (1912), Charge of Designing, Supt. Constr. of Mchs., L. & J. A. Stewart, and *for mail*, 74 Park St., Rutland, Vt.
- STEWART, Andrew M. (Associate, 1917), Factory Mgr., The Natl. Supply Co., Sta. B, and *for mail*, 2159 Scottwood Ave., Toledo, O.
- STEWART, Charles A. (1912; Associate-Member, 1917), Sales Engr., H. S. Johannsen, 50 Church St., New York, and *for mail*, 914 Greene Ave., Brooklyn, N. Y.
- STEWART, Earle H. (Junior, 1917), Instr. Mich. Agri. College, and *for mail*, P. O. Box 503, East Lansing, Mich.
- *STEWART, Harry M. (Junior, 1913), Sergeant, Motor Truck 375, Motor Supply Train 409, Q. C., U. S. A., Serv. Dept., Kelly-Springfield Motor Truck Co., and *for mail*, R. F. D. 9, Springfield, O.
- STEWART, Reid T. (1894), Prof. M. E., Univ. of Pittsburgh, and 1524 Shady Ave., Pittsburgh, Pa.
- STEWART, Samuel (1916), M. M., Republic Iron & Steel Co., Thomas, and *for mail*, 117 Front St., Thomas Sta., Birmingham, Ala.
- STEWART, Stanley P. (Associate-Member, 1914), M. E., Stewart Boiler Wks., Albany St., and 3 Dorothy Ave., Worcester, Mass.
- STICHT, Wm. (Associate-Member, 1916), M. E., Am. Lead Pencil Co., Hoboken, and 311 34th St., Woodcliff-on-Hudson, N. J.
- STICKNEY, Charles A. (1913), Proprietor, Stickney & Montague, and *for mail*, 33 Short St., Chattanooga, Tenn.
- *STICKSEL, C. P. (Junior, 1916), 1st Lieut., E. R. C., M. E., The Globe Soap Co., St. Bernard, and *for mail*, Newton, O.
- STIEFEL, Ralph C. (1897), Engr., Ellwood City, Lawrence Co., Pa.
- STILL, Frederick R. (1909), Vice. Pres., Secy., Am. Blower Co., 1400 Russell St., and 209 Parker Ave., Detroit, Mich.
- STILLMAN, Austin F. (1907; 1912), V. P., Secy., Watson-Stillman Co., Aldene, and *for mail*, Hampton Hall, Cranford, N. J.
- STILLMAN, Edwin A. (Junior, 1908), Pres., Watson-Stillman Co., 50 Church St., and 115 E. 53rd St., New York, N. Y.
- STILLMAN, Howard (1895), M. E., Engr. of Tests, So. Pac. Co., 65 Market St., San Francisco, and 2430 Piedmont Ave., Berkeley, Cal.
- STILLMAN, Thomas B., Jr. (Junior, 1913), The Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and 730 Park Ave., Hoboken, N. J.
- STIMMEL, Fred C. (Associate-Member, 1915), Sales Mgr., The Casey-Hedges Co., and *for mail*, 519 Mable St., Chattanooga, Tenn.
- STIMSON, Morris H. (1914), Plant Mgr., U. S. Radiator Corp., Dunkirk, and 63 Central Ave., Fredonia, N. Y.
- STINSON, Irving J. (Associate-Member, 1917), Estimator B. H. Hibbard Cons. Co., 153 Arch St., New Britain, and *for mail*, 40 Downing St., New Haven, Conn.
- STINSON, Karl W. (Junior, 1917), Instr. Aero Engines, Cadet Aviation School, Ohio State Univ., and *for mail*, 18 Berkley Pl., Columbus, O.
- STIRLING, Allan (1889), Manager, 1881-1884; Vice-President, 1885-1887; Life Member; Drexel Bldg., Philadelphia, and Pleasant Mt., Wayne Co., Pa.
- STITZER, Arthur B. (1917), Ch. Engr., Republic Ry. & Light Co., 60 Broadway, New York, N. Y.
- STIX, Lawrence C. (Junior, 1911), Cons. Engr., S. Oppenheim & Co., 96 Pearl St., and *for mail*, 2 W. 89th St., New York, N. Y.
- STOCKWELL, Rupert K. (1910; 1912), West. Mgr., Robins Conveying Belt Co., Newhouse Bldg., Salt Lake City, Utah.
- STODDARD, Charles H. (1917), Ch. Engr., Moore & Scott Iron Wks., Foot Adeline St., Oakland and 1120 Douglas Ave., Burlingame, Cal.
- STODDARD, Clifford J. (1915), Ch. Inspr., Employers' Liability Assurance Corp., 40 Central St., Boston, and *for mail*, 156 Powder House Blvd., West Somerville, Mass.

- STODDARD, Elgin (1911), V. P., Chas. C. Moore & Co. Engrs., Sheldon Bldg., San Francisco, and 144 Bonita Ave., Piedmont P. O., Oakland, Cal.
- STODDARD, Elliott J. (1909), Expt., R. A. Parker, Pat. Lawyer, 607 Moffat Bldg., and 86 Ferris Ave., cor. John R. St., Detroit, Mich.
- STODDARD, Geo. H. (1897), Treas., Mgr., Quincy Market Cold Storage & Warehouse Co., 133 Commercial St., and 197 Beacon St., Boston, Mass.
- STOELTZING, Harry E. (1916), Asst. Supt. Power, Brooklyn Rapid Transit System, 85 Clinton St., Brooklyn, and 119 Vanderveer Pl., Woodhaven, N. Y.
- STOKOE, James (1910), M. E., Sinclair Refining Co., Conway Bldg., and *for mail*, 11124 Hermosa Ave., Chicago, Ill.
- STOLBERG, Emil C. (1917), Asst. Engr. Improvement Dept., Am. Car & Fdy. Co., 1108 Syndicate Trust Bldg., and *for mail*, 3419 Park Ave., St. Louis, Mo.
- STOLL, John, Jr. (Junior, 1916), Instr. Appr. Dept., Remington Arms U. M. C. Co., Inc., Bridgeport, and *for mail*, Thompson Ave., Stratford, Conn.
- STONE, Charles A. (1914), Mem. of Firm, Stone & Webster Engrg. Corp., Pres., Am. Internatl. Corp., 120 Broadway, and 907 5th Ave., New York, N. Y.
- STONE, Charles W. (1907), Cons. Engr., Genl. Elec. Co., and 18 State St., Schenectady, N. Y.
- STONE, E. Wadsworth (Junior, 1915), Mgr. Serv. Dept., Intertype Corp'n., Foot Montague St., and 725 Kenmore Pl., Brooklyn, N. Y.
- STONE, Edison H. (Junior, 1912), Purchasing Dept., The Lunkenheimer Co., P. O. Box 876, and *for mail*, 229 Forest Ave., Cincinnati, O.
- STONE, J. Wheaton (1898), Treas., Mgr., The East. Mchy. Co., and 326 Fountain St., New Haven, Conn.
- STONE, Julius F. (1917), Pres., The Seagrave Co., Columbus, O.
- STONE, Louis L. (1914), Ch. Engr., Hunt Engrg. Co., 515 Republic Bldg., Kansas City, Mo.
- *STONE, Mason A., Jr. (Junior, 1907), Capt., O. Sec., O. R. C., U. S. A., and *for mail*, 147 Fourth St., New Brighton, N. Y.
- STONE, Roy L. (1917), Operative Engr., E. I. du Pont de Nemours & Co., 863 du Pont Bldg., and *for mail*, 313 W. 19th St., Wilmington, Del.
- STONE, Thomas W. (1903; 1916), Ch. Engr., Western Gas Constr. Co., 1429 Buchanan St., and 919 Columbia Ave., Fort Wayne, Ind.
- STONE, William G. (1915), Whitesboro, Oneida Co., N. Y.
- STOOP, William J. (1915), Mgr., Whitaker-Glessner Co., Beech Bottom Wks., Box 133, Wheeling, and Orchard Ave., Woodsdale, Wheeling, W. Va.
- STORER, Norman W. (1912), Genl. Engr., Westinghouse Elec. & Mfg. Co., and *for mail*, 6109 Howe St., Pittsburgh, Pa.
- STORK, Wilford L. (Junior, 1914), Mich. Motor Castings Co., and *for mail*, 629 E. Court St., Flint, Mich.
- STORMS, Frank F. (1915), Pres., Genl. Mgr., Page-Storms Drop Forge Co., Chicopee, and *for mail*, 50 Spruceland Ave., Springfield, Mass.
- STORRS, Lucius S. (1914), Pres., The Conn. Co., and Hotel Taft, New Haven, Conn.
- STOUGHTON, Bradley (1911), Secy., Am. Inst. of Min. Engrs., Cons. Engr., 29 W. 39th St., New York, N. Y., and New Canaan, Conn.
- *STOVEL, Russell W. (1902; 1907), Major, Amer. Exped. Force, France, Managing Engr., Gibbs & Hill, Pa. Sta., New York, N. Y., and *for mail*, 48 Watchung Ave., Montclair, N. J.

- STOWELL, Byron F. (1913), M. E., Barney & Berry, 93 Broad St., and 79 Dawes St., Springfield, Mass.
- STOWELL, Howard E. (Junior, 1914), Research Dept., The Carborundum Co., and 1128 Haeberle Ave., Niagara Falls, N. Y.
- STRACHAN, John E. (1915), Shop Supt., The Midvale Steel Co., Nicetown, Philadelphia, and *for mail*, 5225 Wissahickon Ave., Germantown, Philadelphia, Pa.
- STRADER, Roland H. (Junior, 1915), Asst. to Supt., Stan. Gas Light Co., 115th St. & E. River, New York, and *for mail*, 710 Chauncey St., Brooklyn, N. Y.
- *STRAHLMANN, Otto E. (Junior, 1916), 1st Lieut., Signal Corps, Aviation Sec., McCook Field, Dayton, O.
- STRALE, Nels W. (Junior, 1914), Peoples Gas Light & Coke Co., Rm. 1711 Peoples Gas Bldg., and 6437 Kenwood Ave., Chicago, Ill.
- STRATTON, E. Platt (1883), Engr., Naval Arch., 80 Broad St., New York, and Ninth Ave. and 13th St., College Point, Bor. of Queens, N. Y.
- STRATTON, Harry F. (Junior, 1904), V. P., Ch. Engr., The Elec. Controller & Mfg. Co., Cleveland, O.
- STRATTON, James H. (1906), Engr. of Constr., Wellman-Seaver-Morgan Co., 7000 Central Ave., and 1871 E. 81st St., Cleveland, O.
- STRATTON, John F. O. (1914), Genl. Mgr., Stand. Ignition Co., and 229 E. Beardsley Ave., Elkart, Ind.
- STRATTON, Samuel W. (1913), Dir. Bureau of Standards, Dept. of Commerce, and The Farragut, Washington, D. C.
- STRAUB, Albert A. (Junior, 1911), 301 Elysian St., Pittsburgh, Pa.
- *STRAUB, C. Lee (1911), V. P., Metals Production Equip. Co., and *for mail*, 283 Union St., Springfield, Mass.
- STRAUB, Harry L. (1915), V. P., Chesapeake Elec. Co., Inc., 205 N. Calvert St., and 3920 Carlisle Ave., Baltimore, Md.
- STRAUB, Theodore A. (1913), V. P., Genl. Mgr., Fort Pitt Bridge Wks., 510 House Bldg., Smithfield and Water Sts., Pittsburgh, Pa.
- STRAUS, William R. (Junior, 1913), Supt. Rolling Mills, Baltimore Copper Wks., and 1812 Eutaw Pl., Baltimore, Md.
- STRAUSS, Jerome (Junior, 1916), Chemist, Metallurgist, Western Drop Forge Co., and *for mail*, 1501 S. Boots St., Marion, Ind.
- STRAUSS, Julian B. (1910), M. E., 328 Cangallo, Bueno Aires, S. A.
- STRAUSS, William O. (Associate-Member, 1914), Adv. Mgr., Engr., The R. K. LeBlond Mch. Tool Co., 4609 Eastern Ave., Cincinnati, O.
- STREET, Clement F. (1893), V. P., Loco. Stoker Co., 50 Church St., and 472 Willard Ave., Pelham Manor, New York, N. Y.
- STREET, George L., Jr. (1916), V. P., J. R. Johnson & Co., Inc., P. O. Box 515, and Cary St. Rd., Richmond, Va.
- STREETER, Claude O. (Associate-Member, 1915), Sales and Cons. Engr., Graton & Knight Mfg. Co., Worcester, and North Grafton, Mass.
- STREETER, Lafayette P. (1902; Associate, 1903), Air Brake Engr., Ill. Central R. R. Co., 135 E. 11th Pl., and *for mail*, 4818 Dorchester Ave., Chicago, Ill.
- *STREETER, Robert L. (1907; 1913), Capt. O. D., U. S. R., Rock Island Arsenal, Rock Island, Ill.
- STREIFF, Abraham (1916), Mem., Fargo Engrg. Co., Commonwealth Bldg., and 207 Third St., Jackson, Mich.
- STRENG, Lewis S. (1917), Supt. Elec. Dept., Louisville Gas & Elec. Co., 311 W. Chestnut St., and *for mail*, 408 Kensington Ct., Louisville, Ky.
- STRING, Joseph S. (Junior, 1907), 130 Arlington Ave., East Orange, N. J.

- STRINGFELLOW, Henry A. (Associate-Member, 1915), Designing Engr., Epping-Carpenter Pump Co., 43rd and A. V. R. R., and *for mail*, 1023 Jancey St., Pittsburgh, Pa.
- *STRINGHAM, Joseph S. (1903), Capt., U. S. A., O. D., Rock Island Arsenal, Rock Island, Ill., and *for mail*, 275 Seminole Ave., Detroit, Mich.
- STRIPE, William C. (Associate-Member, 1916), Stoker Dept., Westinghouse Elec. & Mfg. Co., 1701 Union Bank Bldg., Pittsburgh, and 441 Franklin Ave., Wilkinsburg, Pa.
- STROBEL, Victor O. (1892), Genl. Mgr. Crane Dept., Niles-Bement-Pond Co., Mifflin and Meadow Sts., and 1537 Pine St., Philadelphia, Pa.
- STROM, Carl A. (1905), Mgr., Am. Loco. Co., Paterson, N. J.
- STRONG, Albert W. (Associate, 1913), Pres., The Strong-Scott Mfg. Co., 413 S. 3d St., and 2324 Pillsbury Ave., Minneapolis, Minn.
- STRONG, Arthur P. (Junior, 1914), Designing Engr., Green Engrg. Co., East Chicago, Ind., and *for mail*, 7014 Crandon Ave., Chicago, Ill.
- STROTHMAN, Louis E. (1909), Mgr., Pumping Eng. and Steam Turbine Depts., Allis-Chalmers Mfg. Co., and 835 Summit Ave., Milwaukee, Wis.
- STROTT, J. Charles (Junior, 1916), Engr. Maintenance Dept. Bureau Yards and Docks, Navy Dept., Washington, D. C., and 2211 W. Fayette St., Baltimore, Md.
- STROUD, Edwin G. (1901; 1914), Pres., Cleveland Engrg. Agency Co., Pres., E. G. Stroud Co., 1004 Rose Bldg., Cleveland, and 235 Clark St., Berea, O.
- STROUD, W. Franklin, Jr. (Junior, 1917), M. E., Atlantic Refining Co., 3144 Passyunk Ave., Philadelphia, Pa., and *for mail*, 123 Chestnut St., Moorestown, N. J.
- STROUSE, Sidney B. (Junior, 1909), Genl. Engrg. Practice, 140 S. Maryland Ave., Atlantic City, N. J.
- STRUBLE, George W. (Associate-Member, 1917), Genl. Supt. Redington Plants Ordnance Dept., Bethlehem Steel Co., South Bethlehem, and *for mail*, 409 E. Union St., Bethlehem, Pa.
- STRUCKMANN, Edwin (1913), Supt., Hawkeye Portland Cement Co., and 3408 Iola St., Des Moines, Ia.
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- STRUTHERS, Royden T. (Associate-Member, 1917), Efficiency Engr., Fuel Engrg. Co., 106 E. 19th St., and *for mail*, 376 E. 136th St., New York, N. Y.
- STUART, H. Howland (Junior, 1917), Asst. to Factory Supt., E. & T. Fairbanks & Co., and *for mail*, 6 Clinton St., St. Johnsbury, Vt.
- STUART, Milton C. (Junior, 1912), M. E., U. S. Naval Engrg. Exper. Sta., and 3 Murray Ave., Annapolis, Md.
- STUART, Thomas E. (1916), Cons. Engr., Alliance Potash Co., Alliance, Neb., and *for mail*, 3300 Ave. B., Council Bluffs, Ia.
- STUBBELBINE, Winfred A. (1911), Ch. Engr., Lehigh Stoker Co., Fullerton, and 1629 Turner St., Allentown, Pa.
- STUBBS, Frederick W. (1915), M. E., Chicago Great West. R. R. Co., and *for mail*, 303 First Ave., E., Oelwein, Ia.
- STUBER, Adolph (Associate-Member, 1917), Efficiency Engr. Camera Wks., Eastman Kodak Co., 333 State St., Rochester, N. Y.
- STUCKI, Arnold (1907), Engr., Oliver Bldg., Pittsburgh, and 42 N. Howard Ave., Bellevue, Pa.
- STUEBING, Albert F. (Junior, 1917), West. Mech. Editor, Ry. Age Gazette, 750 Transportation Bldg., Chicago, Ill.

- *STULTS, William R. (Junior, 1913), Private, N. A., 18th Co., 5th Tr. Bri., Depot Brigade, Camp Devens, Ayer, and *for mail*, 22 Mechanic St., Orange, Mass.
- STUMP, John, Jr. (Associate-Member, 1917), Genl. Elec. Co., Wither-
spoon Bldg., Philadelphia, Pa., and *for mail*, Perryville, Md.
- STUMPF, Johann (1896), Privy Councillor, Prof., Tech. Hochschule,
Charlottenburg, and Kurfürstendamm, 33, Berlin, W., Germany.
- STUNTZ, J. E. (1903; 1916), Engr., Honolulu Iron Wks. (Teniente
Rey No. 11), Havana, and 141 19th St., Vedado, Havana, Cuba.
- *STUREMAN, Robert V. (Junior, 1917), Q. C., Camp Logan, and *for
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- STURGESS, John (1901), Hopkinton, Mass.
- STURGIS, Raynor F. (Junior, 1912), Cost Acct., Corn Products Refining
Co., 17 Battery Pl., New York, N. Y., and *for mail*, 8 Olyphant
Park, Morristown, N. J.
- STURGIS, Wm. B. (1909; Associate-Member, 1916), Asst. Genl. Supt.,
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Cedar Ave., Richmond Hill, L. I., N. Y.
- STURKEN, Carl A. (Junior, 1913), Asst. Engr., Arbuckle Bros. Sugar
Refinery, and *for mail*, 1075 E. 14th St., Brooklyn, N. Y.
- STURMFELSZ, George J., Jr. (Junior, 1915), Supt. Boilers, Bethlehem
Steel Co., and 607 E. F St., Sparrows Point, Md.
- STUTZ, C. C. (1900), Engr., Rittman Process Corp'n, 1117 Empire Bldg.,
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- SUCK, Adolph (1905), 94 Arlington St., Hyde Park, Mass.
- SULENTIC, Stanislaus A. (Associate-Member, 1915), M. E., The Prairie
Pipe Line Co., El Dorado, Kan.
- SULLIVAN, Frank A. (1915), Ordnance Engr., Bethlehem Steel Co.,
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- SULLIVAN, John L. (Junior, 1913), Time Study Rate Setter, Westing-
house Elec. & Mfg. Co., East Pittsburgh, and 1141 South Ave., *mail*,
Genl. P. O. Box 187, Wilkinsburg, Pa.
- SULZER, J. Carl (1891), Pres., Sulzer Bros., Ltd., Winterthur, Switzer-
land.
- *SUMMERS, Daniel (Junior, 1915), 1st Lieut. E. O. R. C., 304th Reg.
Engrs., Camp Meade, Annapolis Junction, Md.
- SUMMERS, Lewis E. (1914), Factory Mgr., Chicago Pneu. Tool Co.,
1301 Second Ave., and 55 Greenfield Ave., Detroit, Mich.
- SUMMEY, David L. (1907), 168 Buckingham St., Waterbury, Conn.
- SUMNER, Eliot (1910), Supt. M. P. Central Div., Pa. R. R., Co., and
for mail, 950 W. 4th St., Williamsport, Pa.
- SUMNER, Henry W. (1900; 1912), L. C. Smith Bldg., Seattle, and Wing
Point, Winslow, Wash.
- SUNSTROM, Karl J. (1884), Cons. Engr., Odengaten 92, Stockholm,
Sweden.
- SUPLER, Henry H. (1888), Manager 1897-1900; Cons. Engr., 409
Riggs Bldg., and *for mail*, 126 Claremont Ave., New York, N. Y.
- SUTER, George A. (1883; 1893), 190 Riverside Drive, New York, N. Y.
- SUTER, John H. (1914), Ch. Engr., West Mehy. Co., 900 N. Main St.,
Los Angeles, Cal.
- SUTHERLAND, James I. (Junior, 1909), Estimator, Stand. Steel Car Co.,
and *for mail*, 559 Third St., Butler, Pa.
- SUTERMEISTER, Frederick (Junior, 1917), Asst. M. E. Chelsea Fibre
Mills, 1155 Manhattan Ave., Brooklyn, and *for mail*, 66 Edson St.,
Corona, L. I., N. Y.
- SUTTILL, Albert G. (Associate-Member, 1916), 5015 Pentridge St., West
Philadelphia, Pa.

- *SUTTON, Frank (1907), Major, E. O. R. C., Cons. Engr., 80 Broadway, New York, and Babylon, L. I., N. Y.
- SUTTON, George Z. (Associate, 1913), Asst. Treas., Mgr. of Sales, Stokes & Smith Co., Summerdale Sta., Philadelphia, and 1616 N. 15th St., Philadelphia, Pa.
- SUVERKROP, Edward A. (1913), Assoc. Editor, Am. Machinist, 10th Ave. and 36th St., New York, N. Y.
- SVENSEN, Carl L. (Junior, 1911), Asst. Prof. Engrg. Drawing, Ohio State Univ., Rm. 205 Brown Hall, and 1320 High St., and *for mail*, 1348 ½ N. High St., Columbus, O.
- SVENSSON, J. Alfred (1909), M. E., The New Britain Mch. Co., and *for mail*, 3 Trinity St., New Britain, Conn.
- SWAIN, George F. (1883), Prof. C. E., Mass. Inst. of Tech., and Harvard Univ., Cambridge, and 1988 Commonwealth Ave., Boston, Mass.
- *SWAIN, Philip W. (Junior, 1916), 2nd Lieut., F. A., U. S. R., 303rd Heavy Field Art., Camp Devens, Ayer, Mass., and *for mail*, 306 Golden Hill St., Bridgeport, Conn.
- SWAN, Ervin D (Associate-Member, 1916), Mech. Salesman, Lidgerwood Mfg. Co., 96 Liberty St., New York, N. Y., and *for mail*, 31 Edgewood Rd., Bloomfield, N. J.
- SWAN, John J. (1899; 1909), Thomas A. Edison, Inc., Box 545, Orange, N. J.
- SWANBERG, F. L. (1902; 1914), Ch. Engr., The Richardson-Phenix Co., 128 Reservoir Ave., and 790 Farwell Ave., Milwaukee, Wis.
- SWARTS, G. Taylor (1909; Associate-Member, 1915), V. P., Steam Equip. Mfg. Co., Jenkins Arcade Bldg., and 6712 Thomas Blvd., Pittsburgh, Pa.
- SWARTWOUT, Everett W. (1910; Associate-Member, 1913), Nordberg Mfg. Co., 120 Broadway, New York, and 102 Lynton Pl., White Plains, N. Y.
- SWASEY, Ambrose (1880; Honorary, 1916), Vice-President, 1900-1902; President, 1904; Pres., The Warner & Swasey Co., and 7808 Euclid Ave., Cleveland, O.
- SWEENEY, Jno. M. (1885), M. E., 729 Monadnock Blk., Chicago, Ill.
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- SWEENEY, Morgan L. (Associate, 1917), Supt., West. Pipe & Steel Co. of Cal., 1758 N. Spring St., and *for mail*, 5014 Budlong Ave., Los Angeles, Cal.
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- SWEET, Charles E. (1907), Treas., Superior Mch. & Engrg. Co., 53 E. Fort St., and *for mail*, 135 Taylor Ave., Detroit, Mich.
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- SWEETSER, William J. (1913), Prof. M. E., Univ. of Me., and 184 Main St., Orono, Me.
- SWENSON, Bernard V. (1903), Barron G. Collier, Inc., 220 W. 42d St., and 32 W. 40th St., New York, N. Y.

- *SWETTING, J. Rodney (Junior, 1916), 2nd Lieut. E. O. R. C., and *for mail*, 936 Adams Ave., Berlin, Wis.
- *SWIFT, Harley L. (Junior, 1915), 1st Lieut. E. O. R. C., Co. D, 16th Regt. Engr. (Ry.), U. S. A. Expeditionary Forces to France, care of Adj. Genl., Washington, D. C., and 6801 McPherson St., Pittsburgh, Pa.
- SWIFT, Henry (Associate-Member, 1916), Ch. Engr., Cincinnati Ball Crank Co., Oakley, Cinn., and *for mail*, 2649 Edmundson Rd., Norwood, Ohio.
- *SWIFT, John B., Jr. (Associate, 1915), Lieut., Co. E, 1st Battalion, Ill. Engrs.; Sales Engr., Asst. Sales Mgr., Am. Steam Conveyor Corp'n, 326 W. Madison St., and 6832 Lakewood Ave., Chicago, Ill.
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- SWINNEY, Stuart L. (Junior, 1916), The Texas Co., Texas Co. Terminal, and *for mail*, 1819 Proctor St., Port Arthur, Tex.
- *SWINTON, David R. (Junior, 1913), 1st Lieut., National Armv. 1421 Eye St., Washington, D. C., and 20 Sullivan Ave., Port Jervis, N. Y.
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- SYMONS, Johnson V. (1913), M. M. Blast Furnaces and Mills, Cambria Dept., Cambria Steel Co., Johnstown, and 311 Tioga St., Westmont, Johnstown, Pa.
- SYMONS, Wilson E. (1899), Asst. to Pres., Wilson Welder & Metals Co., Inc., 52 Vanderbilt Ave., New York, N. Y., and Cons. Engr., 900 Postal Telegraph Bldg., Chicago, Ill.
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- TABER, Melbert W. (1912), Factory Mgr., Asbestos Protected Metal Co., Ambridge, and 614 Locust Pl., Sewickley, Pa.
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- TABER, William B., Jr. (Junior, 1913), Tech. Adv., Design Sec., Gun Div., Ord. Dept., 1330 F St., N. W., Washington, D. C., and *for mail*, Radnor, Pa.
- TABOR, Leroy (1909), The Tabor Mfg. Co., 18th and Hamilton Sts., and *for mail*, 2513 S. Garnet St., Philadelphia, Pa.
- TABOR, William H. (Junior, 1914), Installation of Scheduling, Winchester Repeating Arms Co., and *for mail*, 434 Central Ave., New Haven, Conn.
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- TADDIKEN, J. F., Jr. (Junior, 1907), Ch. Engr., The Dyer Co., 2031 Euclid Ave., and Univ. Club, Cleveland, O.

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- *TAG, Walter (Junior, 1915), O. R. C., Watervliet Arsenal, Watervliet, and *for mail*, 511 Macon St., Brooklyn, N. Y.
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- TAIT, Edward H. (1913), Supt., Phoenix Portland Cement Co., Nazareth, and *for mail*, 501 Paxinosa Ave., Easton, Pa.
- TAIT, Godfrey M. S. (1906; 1907), Cons. Engr., Pres., Am. Pasteurizer Co., Inc., 1820 K St., N. W., Washington, D. C., and Markham, Va.
- TAKEO, Toshisuke (1908), Pres., Karatsu Iron Wks., Nishi-Karatsu, Hizen, Japan.
- TALBOT, Arthur N. (1914), Prof. Municipal and Sanitary Engrg., in Charge Theoretical and Applied Mech., Univ. of Ill., and 1013 W. California Ave., Urbana, Ill.
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- TALBOT, James M. (Junior, 1913), Dept. Head, S. S. White Dental Mfg. Co., Prince Bay, and 126 8th St., New Dorp, S. I., N. Y.
- *TALBOT, John A. (Junior, 1917), 2d Lieut., Field Art., U. S. R., Am. Exped. Forces, France, and *for mail*, Bloomingdale Rubber Co., Bloomingdale, N. J.
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- TALKES, Ernest B. (1916), M. M. Federal Furnace Plant, By Products Coke Corp., East Side Sta., South Chicago, and *for mail*, 7408 Coles Ave., Chicago, Ill.
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- *TANGEMAN, Walter W. (Junior, 1916), Lieut., U. S. A., Sales Engr., Cincinnati Milling Mach. Co., 2815 Burnet Ave., Cincinnati, O.
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- TARBOX, George R. (1912), Elliott Co., Jeannette, and *for mail*, care of Ehalt Hotel, Greensburg, Pa.
- TATE, John M., Jr. (Associate, 1907), Pres., Tate, Jones & Co., Inc., 1007 Empire Bldg., Pittsburgh, and Sewickley, Pa.
- TAURMAN, Alphonso (1916), Supt. Rolling Stock, Va. Rv. & Power Co., Cedar and Cary Sts., and 307 N. Granby St., Richmond, Va.
- TAUSSIG, J. Hawley (1916), Engr. of Design, The United Gas Improvement Co., N. W. cor. Broad and Arch Sts., Philadelphia, Pa.
- TAYLOR, Alexander (1907), Mgr. of Wks., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and 7239 Penn Ave., Pittsburgh, Pa.

- TAYLOR, Alfred J. T. (Associate-Member, 1914), Managing Dir., The Taylor Engrg. Co., Ltd., 607 Credit Foncier Bldg., and Shaughnessy Heights, Vancouver, B. C., Canada.
- TAYLOR, Cecil H. (1908; 1916), Cons. Engr., Taylor & Neuteboom, 740 David Whitney Bldg., and 616 Trumbull Ave., Detroit, Mich.
- TAYLOR, Charles F. (Junior, 1917), Insp. of Airplanes, Signal Corps, U. S. A., Washington, D. C., and *for mail*, 31 Clinton Ave., Montclair, N. J.
- TAYLOR, Clarence L. (1904), Ch. Engr., Morgan Engrg. Co., and *for mail*, 653 S. Union Ave., Alliance, O.
- *TAYLOR, Cyrus J. (Junior, 1916), Ch. Machinist's Mate, 1st Class, U. S. N. R. F., care of Postmaster, New York, N. Y., and 124 W. 5th St., Rochester, Mich.
- TAYLOR, DeWitt M. (Associate-Member, 1914), Inst. M. E., Mass. Inst. of Tech., Cambridge, and 99 S. Central Ave., Wollaston, Mass.
- *TAYLOR, Donald F. (Junior, 1913), Squadron A., Mch. Gun Bat., N. Y. Div.; Asst. M. E., J. G. White Constr. Co., 43 Exch. Pl., New York, N. Y., and *for mail*, 34 Madison Ave., Morristown, N. J.
- TAYLOR, Edward N. (Junior, 1917), Speed and Process Man, Winchester Repeating Arms Co., and *for mail*, 282 Dwight St., New Haven, Conn.
- TAYLOR, Flemen C. (Associate-Member, 1917), Genl. Gas Foreman, Tenn. Coal, Iron & R. R. Co., P. O. Box 126, and 2732 Ensley Ave., Ensley, Ala.
- TAYLOR, Forrest C. (Junior, 1914), Draftsman, The Pyle-Natl. Co., 1334 N. Kostner Ave., and *for mail*, 617 S. Spaulding Ave., Chicago, Ill.
- TAYLOR, Frank H. (1908), Pres., The S. S. White Dental Mfg. Co., 1130 Chestnut St., Philadelphia, and 8016 Seminole Ave., St. Martin's, Philadelphia, Pa.
- TAYLOR, Frank W. (1915), Asst. Supt. Turbine Dept., Genl. Elec. Co., and *for mail*, 8 Glenwood Blvd., Schenectady, N. Y.
- TAYLOR, H. Birchard (1910; 1913), V. P., Wm. Cramp & Sons Ship & Eng. Bldg. Co., Beach and Ball Sts., Philadelphia, and 308 Pelham Rd., Germantown, Philadelphia, Pa.
- TAYLOR, J. Hall (1912), Genl. Mgr., Am. Spiral Pipe Wks., P. O. Box 485, Chicago, and 405 N. Euclid Ave., Oak Park, Ill.
- TAYLOR, J. Wallace (1909; 1910) M. E., Frankford Arsenal, and *for mail*, 1218 Allengrove St., Frankford, Philadelphia, Pa.
- TAYLOR, James D. (Associate-Member, 1917), Supervising Engr., Y. M. C. A., 215 W. 23rd St., New York, N. Y.
- TAYLOR, John E. (Junior, 1914), Rep., Loco. Superheater Co., P. O. Box 142, Kingston, Ont., Canada, and 324 N. Peterboro St., Canastota, N. Y.
- TAYLOR, John T. (1891), Supt. H. S. Ely & Co., 156 Fifth Ave., New York, N. Y., and 15 Howell Rd., Mountain Lakes, N. J.
- TAYLOR, L. B. (1912), Torpedo Engr., U. S. Naval Torpedo Sta., and *for mail*, 12 Redwood St., Newport, R. I.
- TAYLOR, Paul H. (Junior, 1916), Asst. Engr., Richardson & Hale, 85 Water St., Boston, and *for mail*, 36 Crescent St., Wakefield, Mass.
- TAYLOR, Percy B. (1909), Cons. Engr., Mill Arch., Essex Bldg., and 57 S. 11th St., Newark, N. J.
- TAYLOR, Robert M. (Junior, 1917), Wks. Engr., The Am. Tool Wks. Co., Pearl and Eggleston Aves., and *for mail*, 6003 Montgomery Ave., Cincinnati, O.
- TAYLOR, Roger (Associate-Member, 1917), Asst. Plant Supt., Phila. Elec. Co., 28th and Christian Sts., and *for mail*, 1119 Tiogo St., Philadelphia, Pa.
- TAYLOR, Stevenson (1886), Vice-President, 1899-1901: Pres. Am. Bureau of Shipping, 66 Beaver St., and 123 W. 85th St., New York, N. Y.

- *TAYLOR, Stevenson P. (Junior, 1913), Ch. Machinist's Mate, U. S. N. R. F.; Am. Internatl. Corp'n, 120 Broadway, and *for mail*, 123 W. 85th St., New York, N. Y.
- TAYLOR, Walter C. (Junior, 1914), Rhodhiss, N. C.
- TAYLOR, Wm. M. (1888; 1904), Pres., Chandler & Taylor Co., S. Addison St., and 2426 E. Washington St., Indianapolis, Ind.
- *TAYLOR, William T. (1913), Capt. Royal Flying Corps, British Army, France, and *for mail*, Vernon Villa, Tethertown, Muswell Hill, N. London, England.
- TAYLOR, Wyatt W. (Associate, 1908), Asst. Engr., Am. Can Co., 447 W. 14th St., New York, and *for mail*, Spuyten Duyvil, N. Y.
- TEACH, Jacob A. (1912), M. E., Minneapolis Steel & Mchy. Co., Minneapolis, and *for mail*, 1642 Marshall Ave., St. Paul, Minn.
- TEAGUE, N. Nesbitt (Junior, 1916), Asst. Supt. Elec. Dept., Augusta-Aiken Ry. & Elec. Corp'n. P. O. Box 250, and *for mail*, Box 552, Augusta, Ga.
- TEAGUE, Walter O. (1912), Navy Dept., Inspec. of Naval Construc., Boston Navy Yard; Engr., Inspr., Associated Factory Mut. Fire Ins. Cos., 31 Milk St., Boston, and *for mail*, 23 Strathmore Rd., Brookline, Mass.
- TEELE, Fred W. (1904), V. P., Managing Dir., Southern Canada Power Co., Ltd., Rm. 330 Coristine Bldg., Montreal, and 21 Grosvenor Apts., Westmont, Canada.
- TEETER, Ralph R. (Junior, 1913), M. E., Teeter-Hartley Motor Co., Hagerstown, Ind.
- TEETSELL, Harry F. (Associate, 1914), Mgr., United Paperboard Co., 211 Lock St., Lockport, N. Y.
- TEHLE, Charles J. (Junior, 1916), Ch. Draftsman Marine Dept., Kerr Turbine Co., and *for mail*, P. O. Box 269, Wellsville, N. Y.
- TEICHMANN, Henry F. (Junior, 1916), M. E., Lukens Steel Co., Box 106, and 1249 E. Lincoln Highway, Coatesville, Pa.
- TEN BROECK, Floyd G. (1903), Mgr. Engrg. Dept., W. Va. Pulp & Paper Co., 200 Fifth Ave., New York, and 1421 Glenwood Rd., Brooklyn, N. Y.
- TENKONOHY, Franklin V. (Associate-Member, 1916), Spec. Engr. M. P. Dept., Michigan Central R. R., 15th St. Terminal, and *for mail*, 275 Linsdale Ave., Detroit, Mich.
- TENNEY, Albert B. (1896; 1904), V. P., Charles H. Tenney & Co., 201 Devonshire St., Boston, and 1 Adams St., Lexington, Mass.
- TENNEY, Edward H. (1912), Asst. Ch. Engr., Union Elec. Light & Power Co., 12th and Locust Sts., St. Louis, and *for mail*, 714 Atlanta Ave., Webster Groves, Mo.
- TENNEY, Lewis C. (1914), Engrg. Dept., Lincoln Motor Co., Holden & Lincoln Aves, and *for mail*, 119 Richton Ave., H. P., Detroit, Mich.
- TENNEY, Theodore S. (1910), Cons. Engr., Tenney & Ohmes, 101 Park Ave., New York, N. Y., and Riveredge, N. J.
- TERRIBERRY, G. Gilson (Junior, 1917), Production Engr., Niles Tool Wks., Niles-Bement-Pond Co., Hamilton, O.
- TERRY, Charles D. (1902; 1908), Asst. to Genl. Supt., Natl. Tube Co., 1706 Frick Bldg., and *for mail*, 4251 Parkman Ave., Pittsburgh, Pa.
- TERRY, Killey E., Jr. (1914), Supt. of Power, S. D. Warren & Co., Cumberland Mills, Me.
- *TERRY, M. Victor (Junior, 1915), Capt., E. O. R. C., Ch. Engr., Champion Ignition Co., and *for mail*, R. F. D. No. 18, Flint, Mich.
- TERWILLIGER, David M. (Associate-Member, 1917), Efficiency Engr., St. Lawrence Sugar Refiners, Ltd., Montreal, and *for mail*, 117 Orleans St., Maisonneuve, Que., Canada.

- TERWILLIGER, Harry L. (Associate, 1901), Secy., Genl. Mgr., Ingersoll-Rand Co. of Cal., 710 Rialto Bldg., San Francisco, and 575 Emborcardo Rd., Palo Alto, Cal.
- TERZIAN, H. G. (Junior, 1915), Engrg. Asst., Syracuse Ltg. Co., and *for mail*, 726 University Ave., Syracuse, N. Y.
- THANISCH, Rudolph J. (1914), 227 Park St., West Roxbury, Mass.
- THAYER, Abbot A. (1916), Secy., Treas., Oakley Mch. Tool Co., Oakley, and 9 Linton St., Mt. Auburn, Cincinnati, O.
- THAYER, Robert E. (Junior, 1911), Mech. Dept. Editor, *Ry Age Gazette*, 2201 Woolworth Bldg., New York, N. Y., and 70 Doremus Ave., Ridgewood, N. J.
- THIEMER, William H. (1911), M. M., The Winton Co., 10601 Berea Rd., and *for mail*, 9519 Willard Ave., Cleveland, O.
- THOM, George W. (Associate-Member, 1914), 558 College Ave., Appleton, Wis.
- THOMA, Charles, Jr. (1910; Associate-Member, 1914), Passaic Metal Ware Co., Passaic, and *for mail*, 322 Eighth St., Carlstadt, N. J.
- THOMA, Walter (1910; Associate-Member, 1914), Ch. of Inspc., E. W. Bliss Co., 17 Adams St., Brooklyn, N. Y., and *for mail*, 322 Eighth St., Carlstadt, N. J.
- THOMAS, Albert C. (Associate-Member, 1915), Ch. Engr., Hercules Portland Cement Corp'n, Nazareth, and *for mail*, P. O. Box 71, Stockertown, Pa.
- THOMAS, Carl C. (1908), Am. Intl. Shipbuilding Corp'n, 140 N. Broad St., Philadelphia, Pa.
- *THOMAS, Charles W. (1888), Lieut. (Sr. Grade), U. S. N. R. F.; Asst. Prof., Columbia Univ., New York, N. Y., and Bliss Ave., Tenafly, N. J.
- THOMAS, David G. (1909), Ch. Engr., The Denver Union Water Co., 1654 Broadway, and *for mail*, 2447 W. 32d Ave., Denver, Colo.
- THOMAS, Edward G. (1890; 1907), Experimental Engr., Toledo Scale Co., and 360 Rockingham St., Toledo, O.
- THOMAS, Edward W. (1880), Agt., Boott Mills, and *for mail*, 111 Stevens St., Lowell, Mass.
- *THOMAS, Felix (Junior, 1914), 1st Lieut. Motor Equip. Sec., O. D., Carriage Div., U. S. R., and *for mail*, care of Kerr, Page, Cooper & Hayward, 55 Liberty St., New York, N. Y.
- THOMAS, Fred H. (Junior, 1909), Sales Engr., The C. & G. Cooper Co., and Curtis Hotel, Mt. Vernon, O.
- THOMAS, George B. (1914), M. E., Bryant Elec. Co., 1421 State St., and 125 Lenox Ave., Bridgeport, Conn.
- THOMAS, George C. (1907; 1914), Supt., Singer Co., Podolsk, Moscow Govt., Russia.
- THOMAS, Glegge (Junior, 1910), B. F. Sturtevant Co., 1006 Wash. Loan and Trust Bldg., and *for mail*, 605 Upshur St., N. W., Washington, D. C.
- THOMAS, Horace T. (1909, Life Member; Ch. Engr., Reo Motor Car Co., and 114 Walnut St., S., Lansing, Mich.
- THOMAS, Hugh K. (1915), Genl. Factory Supt., Asst. Genl. Mgr., Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., and 365 Potomac Ave., Buffalo, N. Y.
- THOMAS, James W. (1905), Engr., United Gas & Elec. Engrg. Corp'n, 61 Broadway, and 419 W. 119th St., New York, N. Y.
- *THOMAS, John M. (Junior, 1915), Lieut., O. R. C., Head of Aerial Gunnery Dept., School for Aerial Observers, Ft. Sill, Okla., and 825 N. 6th St., Vincennes, Ind.
- THOMAS, Leon I. (Associate-Member, 1916), Managing Editor, Factory, A. W. Shaw Co., 5 N. Wabash Ave., Chicago, and 700 N. Grove Ave., Oak Park, Ill.

- THOMAS, Oscar A. (Junior, 1917), Ch. Insp., Ord. Dept., U. S. A., N. Y. Arsenal, Governors Island, and *for mail*, 2161 Cropsey Ave., Brooklyn, N. Y.
- THOMAS, Percy H. (1916), Cons. Elec. Engr., 120 Broadway, New York, N. Y., and 346 Park St., Upper Montclair, N. J.
- THOMAS, Raymond H. (Junior, 1914), Engrg. Dept., Birmingham Iron Fdy., and *for mail*, 323 Olivia St., Derby, Conn.
- THOMAS, Stephen (Junior, 1916), Combustion Engr., Goodyear Tire & Rubber Co., and *for mail*, 16 A Fay St., Akron, O.
- THOMAS, Walter H. (1913), Brightside Wks., Sheffield, England.
- THOMAS, William R. (1913), M. E., Supt., E. D. Jones & Song Co., 25 Depot St., and *for mail*, 183 Bartlett Ave., Pittsfield, Mass.
- *THOMAS, Winthrop G. (Junior, 1916), 1st Lieut. Radio Div., Office Ch. Signal Officer Signal Corps, U. S. A., 1842 Calvert St., N. W., Washington, D. C., and 133 W. 73rd St., New York, N. Y.
- THOMPSON, Albert W. (1900; 1907), Managing Engr., The G. M. Parks Co., Fitchburg, and 205 Fairmount St., Lowell, Mass.
- THOMPSON, Burt D. (Associate-Member, 1915), Mach. Tool Salesman, The Chas. A. Strelinger Co., 43-51 E. Larned St., and 788 Lothrop St., Detroit, Mich.
- THOMPSON, Byron L. (Associate, 1908), Charge Wks., Operation, The Solvay Process Co., Borosolvay Plant, Borosolvay, Cal.
- THOMPSON, Charles F. (1915), Maintenance Engr., The Aultman & Taylor Mchy. Co., and *for mail*, P. O. Box 68, Mansfield, O.
- THOMPSON, Dwinel B. (Associate-Member, 1917), Asst. Engr., N. Y. Central R. R., Grand Central Terminal, and *for mail*, 854 W. 181st St., New York, N. Y.
- THOMPSON, Erwin W. (1884), Commer. Agt., Bureau of Foreign and Domestic Commerce, Washington, D. C.
- THOMPSON, Fredrick S. (1913), Ch. Engr., Hartford Mch. Screw Co., and *for mail*, 219 Ridgefield St., Hartford, Conn.
- THOMPSON, Henry P. (Associate-Member, 1914), Sales Engr., Harrison Safety Boiler Wks., 703 Mercantile Library Bldg., and 2760 Madison Rd., Hyde Park, Cincinnati, O.
- THOMPSON, Herbert L. Junior, (1912), Sales Engr., A. S. Cameron Steam Pump Wks., 1010 Boatmen's Bank Bldg., St. Louis, Mo., and Hokah, Minn.
- THOMPSON, Herman E. (1917), Supt. Mech. Dept. Amoskeag Mfg. Co., and Franklin St., Manchester, N. H.
- THOMPSON, Hugh L. (1894), Cons. Engr., Waterbury, Conn.
- THOMPSON, Isaac T. (1916), Testing Elec. Engr., The Am. Well Wks., and *for mail*, 265 S. 4th St., Aurora, Ill.
- THOMPSON, James A. (1916), Mchy. Salesman, Darling Bros., Ltd., 120 Prime St., Montreal, Que., and *for mail*, 153 North St., Halifax, N. S. Canada.
- THOMPSON, John L. (1915), Supt. Engrg. and Inspc. Div., Travelers Ins. Co., and 219 Vine St., Hartford, Conn.
- THOMPSON, John R. (1915), Senior M. E., Div. of Valuation, Interstate Commerce Com., 914 Karpen Bldg., Chicago, Ill.
- THOMPSON, Col. John T. (1915), Cons. Engr., Remington Arms Co., Lock Box 428, Chester, Pa.
- THOMPSON, Nelson W. (1917), Ch. Engr., Simplex Refining Co., 343 Sansome St., San Francisco, and *for mail*, 6019 Hillegass Ave., Oakland, Cal.
- THOMPSON, O. C. (1910; 1915), M. E., Wirebounds Corp., 111 W. Washington St., and 3609 Lake Park Ave., Chicago, Ill.
- *THOMPSON, Paul W. (Associate-Member, 1916), Lieut. O. D., U. S. R., Insp. of Ord., U. S. A., Gun Div., War Dept., Washington, D. C.,

- and 23 Albany St., Oxford N. Y., and *for mail*, The Edison Ill. Co. of Detroit, 18 Washington Ave., Detroit, Mich.
- THOMPSON, Ralph C. (Associate-Member, 1916), Supt., Rich Steel Products Co., and *for mail*, 25 W. Fountain St., Battle Creek, Mich.
- THOMPSON, Ralph E. (Associate-Member, 1914), Factory Supt., Gillette Safety Razor Co., 47 W. First St., Boston, and *for mail*, 428 Warren St., Brookline, Mass.
- THOMPSON, Sanford E. (1909), Cons. Engr., Thompson & Lichtner, 136 Federal St., Boston, and 1090 Walnut St., Newton Highlands, Mass.
- THOMPSON, Uldric, Jr. (Associate-Member, 1916), Westinghouse, Church, Kerr & Co., and *for mail*, 136 W. 44th St., New York, N. Y.
- THOMPSON, Clarke (Associate, 1917), Mgr., Clarke Thomson Research, 526 Land Title Bldg., Philadelphia, and Merion Sta., Mont. Co., Pa.
- THOMSON, Francis du P. (1892; 1899), Pres., Humphrey Pump Constr. Co., care of The Wm. Tod Co., and *for mail*, 514 Yale Ave., Youngstown, O.
- THOMSON, J. Stewart (Junior, 1901), Sales and Contr. Engr., 95 Liberty St., New York, N. Y., and *for mail*, Great Notch, N. J.
- THOMSON, John (1887), Manager, 1892-1895; Pres., John Thomson Press Co., 253 Broadway, and Hotel St. Andrew, 72d St. and Broadway, New York, N. Y.
- THOMSON, P. Frescoln (Associate-Member, 1915), Mgr., Thomson Tool & Supply Co., 810 Odd Fellow Bldg., and 2418 Park Ave., Indianapolis, Ind.
- THOMSON, Samuel G. (1916), Engr., 120 Broadway, and 125 Riverside Drive, New York, N. Y.
- THOMSON, T. Kennard (1907), D. Sc. Cons. Engr., 50 Church St., New York, and 1 Madeline Drive, Yonkers, N. Y.
- THORKELSON, Halsten J. (1911), Business Mgr., Univ. of Wis., and *for mail*, 1526 W. Washington, Ave., Madison, Wis.
- THORN, Charles N. (Associate, 1910), Pres., Inter-Continental Mchy. Corp'n, 165 Boadway, New York, N. Y., and 109 Holly St., Cranford, N. J.
- THORNE, William H. (1884), M. E., Wm. Sellers & Co., Inc., 1600 Hamilton St., and *for mail*, 1700 Pine St., Philadelphia, Pa.
- *THORNHILL, Theodore W. (Junior, 1914), 1st Lieut., E. O. R. C.; Mgr., Charleston Oil Co., P. O. Box 660, Charleston, S. C.
- THORNTON, William F. (1909), 257 Hathaway Lane, Wynnewood, Pa.
- THORNTON, Wm. M. (1900), Prof. Applied Math., Dean Dept. of Engrg., Univ. of Va., Charlottesville, Va.
- THORP, George G. (1892; 1904), V. P., Ill. Steel Co., 208 S. La Salle St., Chicago, and 222 Lake St., Evanston, Ill.
- THORP, Joel R. (Junior, 1913), M. E., Steam Turbine Dept., Allis-Chalmers Mfg. Co., Milwaukee, and *for mail*, 575 68th Ave., West Allis, Wis.
- THORPE, George H. (Associate-Member, 1915), M. E., John A. Stevens, 8 Merrimack St., Lowell, and *for mail*, 7 Nelson St., Lawrence, Mass.
- THORPE, Robt. H. (1897), Cons. Engr., 4 Queen Victoria St., London, E. C., England.
- THORSBY, Karl J. (Associate-Member, 1916), Supt., Cal. Corrugated Culvert Co., 5th and Parker Sts., Berkeley, and 4101 Agua Vista St., Oakland, Cal.
- THROCKMORTON, George K. (Junior, 1911), Mgr. Elec. Merchandise, Sears, Roebuck & Co., and *for mail*, 3916 Jackson Blvd., Chicago, Ill.
- THULLEN, L. H. (1905), Genl. Mgr., Grand Rapids Brass Co., Grand Rapids, Mich.

- THUMAN, Frederic (1900), Life Member; Ch. Engr. & Dir., Humphreys & Glasgow, Ltd., 36 Victoria St., London, S. W., and 31 Campden Hill Court, Kensington, London, W., England.
- THURLOW, Oscar G. (1915), Ch. Engr., Ala. Power Co., and 1624 S. 13th St., Birmingham, Ala.
- THURN, Theodore (1904; 1909), Engr., Genl. Elec. Co., 23 Water St., Yokohama, Japan.
- THURSTON, Edw. D., Jr. (1909; 1912), Asst. Prof. M. E., Columbia Univ., 117th St. and Broadway, and *for mail*, Fairmount Hotel, Fairmount Ave. and Hudson Blvd., Jersey City, N. J.
- THURSTON, George H. (1902), M. E., Constltd. Goldfields of South Africa, 8 Old Jewry, London, E. C., England.
- THURSTON, Walter R. (1913), Mgr., The Mine & Smelter Supply Co., Salt Lake City, Utah.
- TIBBALS, Geo. A. (1897), Secy., Treas., The Continental Iron Wks., West and Calyer Sts., and *for mail*, 148 Milton St., Brooklyn, N. Y.
- TIETZE, William (Associate-Member, 1914), Ch. Engr., M. M., Cudahy Bros. Co., and *for mail*, 602 Armour Ave., Cudahy, Wis.
- TILDEN, James A. (1885), V. P., Genl. Mgr., Hersey Mfg. Co., South Boston, and 66 Beacon St., Hyde Park, Mass.
- TILLEY, John (1914), M. and E. E., Marc Eidlitz & Son, 30 E. 42nd St., New York, N. Y.
- TILLIS, H. Rhett (Junior, 1917), Ch. Engr., Phosphate Rock Dept., Am. Agri. Chem. Co., and *for mail*, Box 63, Pierce, Fla.
- TILLMAN, Richard H. (Associate-Member, 1915), Mgr. New Business Dept., Consltd. Gas, Elec. Light & Power Co. of Baltimore, Lexington Bldg., and 4003 Brookline Ave., Baltimore, Md.
- TILLSON, Benjamin F. (1915; 1916), Head of Min. Dept., M. E., E. E., N. J. Zinc Co., Franklin, N. J.
- *TILSON, Howard (Junior, 1915), Capt., O. D., U. S. R., Frankford Arsenal, and 4308 Walnut St., Philadelphia, Pa.
- TILTON, Henry B. (1917), Supt. and Wks. Mgr., Morley Button Mfg. Co., Islington St., and *for mail*, 1229 South St., Portsmouth, N. H.
- TIMBIE, William H. (1912), Head of Dept. of Applied Sci., Wentworth Inst., Boston, and 27 Clark St., Newton Centre, Mass.
- TIMMIS, Walter S. (1906), Mem. of Firm, Timmis & Chapman, 315 Fifth Ave., New York, and Homer Lee and Hillside Aves., Jamaica Estates, L. I., N. Y.
- TIPLADY, John T. (1909), Canadian Westinghouse Co., Ltd., Hamilton, Ont., Canada.
- TISSINGTON, Frank (Associate-Member, 1917), Engr., Archibald & Holmes, Ltd., 402 Excelsior Life Bldg., and Apt. 5, 275 Jarvis St., Toronto, Ont., Canada.
- TITCOMB, George E. (1908), Sales Mgr., McMyler Interstate Co., 50 Church St., New York, and 1308 Caton Ave., Brooklyn, N. Y.
- TITUS, Forrest M. (1916), Foreign Rep., Am. Loco. Co., 30 Church St., New York, N. Y.
- TITUS, Warren H. (1916), 111 Blackstone Blvd., Providence, R. I.
- TOBEY, Wm. L. (1890), M. E., Boston Engr. Co., 308 Atlantic Ave., Boston, and *for mail*, 74 Washington Ave., Winthrop, Mass.
- TOBIN, Robert P. (1909), Ch. Tech. Dept., Vacuum Oil Co., 61 Broadway, New York, N. Y., and 54 Roosevelt Ave., East Orange, N. J.
- TODD, Charles R. (Junior, 1917), Engr., Dail Steel Products Co., and *for mail*, 127 Leslie St., Lansing, Mich.
- TODD, James (1911), Pres., The Sterling Varnish Co., 528 Fulton Bldg., Pittsburgh, and Beaver St. and Academy Ave., Sewickley, Pa.
- TODD, Robert I. (1907), Pres., Genl. Mgr., Indianapolis Traction & Terminal Co., 901 Traction Terminal Bldg., and 1320 N. New Jersey St., Indianapolis, Ind.

- TOLLERTON, William J. (1915), Genl. Mech. Supt., Chicago, Rock Island & Pac. Ry. Co., 935 La Salle Sta., and *for mail*, 10502 S. Seeley Ave., Chicago, Ill.
- *TOLTZ, Max (1904), Manager, 1914-1917; Vice-President, 1917-1919; Maj., Engrg. Corps, Minnesota, N. A.; Pres., The Toltz Engrg. Co., 1410 Pioneer Bldg., and 78 Arundel St., St. Paul, Minn.
- TOMLINES, Thomas L. (1914), Cons. Engr., 317 City Bank Bldg., and 163 Cambridge St., Syracuse, N. Y.
- TOMLINSON, C. Sprague (Junior, 1917), Test Engr., Kansas Gas & Electric Co., and 407 Kelley St., Wichita, Kan.
- TOMLINSON, Royal D. (1912), U. S. Alloys Corp., Sta. B, Buffalo, N. Y.
- *TOMPKINS, Harold D. (Junior, 1917), Lieut. Co. C, 104th Field Signal Bat., Camp McClellan, Ala.; Engr., Smooth-On Mfg. Co., 572 Communipaw Ave., Jersey City, N. J.
- TOMPKINS, Samuel D. (Associate, 1898), Pres., Smooth-On Mfg. Co., 570 Communipaw Ave., Jersey City, N. J.
- TOMPKINS, Stonewall (1887; 1890), Mech. Engr., U. S. Realty & Improvement Co., 111 Broadway, New York, and *for mail*, 805 Ocean Ave., Brooklyn, N. Y.
- TONEY, Perry S. (Junior, 1914), Engr., Neiler, Rich & Co., 1407 Manhattan Bldg., Chicago, Ill.
- TONKIN, Ellsworth (Associate-Member, 1913), Engr. Westinghouse Air Brake Co, Wilmerding, and *for mail*, 7244½ McClure Ave., Swissvale, Pa.
- TONNE, Herman A. (Associate-Member, 1917), Mch. Designer, M. E., The Standard Shade Roller Co., and *for mail*, 15 Albany Ave., Ogdensburg, N. Y.
- TOPPIN, John M. (Junior, 1915), M. E., Cons. Engr., 21 Livingstone Ave., Pittsfield, Mass.
- TOPPING, Howell (1914), Asst. Engr. Engrg. Dept., E. I. du Pont de Nemours & Co., Pennsgrove, N. J., and *for mail*, 1300 W. 7th St., Wilmington, Del.
- TORNBERG, Isidor (Associate-Member, 1917), Designer in charge R. Hoe & Co., 504 Grand St., New York, and 30 Bay 25th St., Bensonhurst, N. Y.
- TORRANCE, Charles E. (1909; Associate-Member, 1913), Mgr. Exper. Dept., Fisk Rubber Co., Chicopee Falls, and 109 Westmoreland Ave., Longmeadow, Mass.
- TORRANCE, Henry, Jr. (1897; 1902), V. P., Treas., Carbondale Mch. Co., 50 Church St., and 131 E. 15th St., New York, N. Y.
- TOUCEY, Ralph E. (Junior, 1913), Bridgeport Brass Co., and *for mail*, 289 Maple St., Bridgeport, Conn.
- TOUR, Reuben S. (Associate-Member, 1917), Asst. Prof. Gas. Engrg., Univ. of Cal., Berkeley, Cal.
- TOWER, Daniel W. (1900; 1907), Pres., Grand Rapids Brass Co., 90 Scribner Ave., N. W., and 907 Jefferson Ave., Grand Rapids, Mich.
- *TOWER, Glenn L. (Associate-Member, 1917), Lieut. Ord. Dept., N. A., 7th and E Sts., N. W., Washington, D. C.
- TOWER, J. Wallace (1914), Rm. 1303, 200 Fifth Ave., New York, N. Y., and 102 Pleasant St., Holyoke, Mass.
- TOWL, Forrest M. (1890), Pres., So. Pipe Line Co., 26 Broadway, New York, and Dering Harbor (Shelter Island Heights P. O.), Suffolk Co., N. Y.
- TOWLE, Wm. Mason (1887), Life Member; Prof. Emeritus of Industrial Engrg., Clarkson College of Tech., Potsdam, N. Y., and *for mail*, Enosburg Falls, Vt.
- TOWN, Frederic E. (1905), Dist. Mgr., Otis Elev. Co., 250 11th Ave., New York, N. Y., and Westfield, N. J.

- TOWNE, Henry R. (1882), Vice-President, 1884-1886; President, 1889; Life Member; Chairman of the Bd., Yale & Towne Mfg. Co., 9 E. 40th St., and *for mail*, 420 Park Ave., New York, N. Y.
- TOWNE, Thos. (Associate, 1895), Dir. Genl., Swedish Iron & Steel Corp'n, 12 Platt St., and *for mail*, 32 W. 40th St., New York, N. Y.
- TOWNSEND, A. J. (Associate-Member, 1917), V. P., Wks. Mgr., Natl. Pressed Steel Co., Massillon, and 1415 Yale Ave., N. W., Canton, O.
- TOWNSEND, Albert C. (Junior, 1910), Sales Engr., H. R. Geiger, 90 West St., and 22 W. 84th St., New York, N. Y.
- TOWNSEND, David (1882), Vice-President, 1899-1901; Mech. and Cons. Engr., 1716 Spring Garden St., and *for mail*, 1723 Wallace St., Philadelphia, Pa.
- TOWNSEND, George R. (1916), V. P., Genl. Mgr., Internatl. Steel & Ordnance Co., Lowell, Mass., and 50 Church St., New York, N. Y., and 96 Halstead St., East Orange, N. J.
- TOWNSEND, Harry P. (Junior, 1904), Secy., Genl. Mgr., H. P. Townsend Mfg. Co., 10 Hoadley Pl., Hartford, Conn.
- TOWNSEND, Harry W. (Associate-Member, 1916), Sales Engr., The Aldrich Pump Co., 1309 Keenan Bldg., and *for mail*, 7233 Penn Ave., Pittsburgh, Pa.
- TRABOLD, Frank W. (1913; 1917), Mgr., J. H. Williams & Co., 150 Hamilton Ave., and 446 Ocean Ave., Brooklyn, N. Y.
- TRACY, Harmon N. (1912), Engr., Prop., The H. N. Tracy Co., 1102 Central Bldg., Los Angeles, and 5333 Loma Linda Ave., Hollywood, Cal.
- TRACY, Lyndon S. (1900; 1915), Mgr. Soda Ash Dept., The Solvay Process Co., and 12 Brattle Rd., Syracuse, N. Y.
- DE TRAMPE, J. Adam C. L. (1904), 1703 Spruce St., Philadelphia, Pa.
- TRASK, Walter H., Jr., (Junior, 1908), Sales Engr., Salt Lake Hardware Co., and *for mail*, University Club, Salt Lake City, Utah.
- TRAUDT, William F. (Associate-Member, 1914), V. P., Genl. Mgr., Taber Pump Co., 291-297 Elm St., and 7 Argyle Pk., Buffalo, N. Y.
- TRAVIS, Stephen C. (Associate-Member, 1916), Supt., Worcester Salt Co., and 20 Charlotte St., Ecorse, Mich.
- TREADWAY, Lyman H. (Associate, 1917), Pres., The Peck, Stow & Wilcox Co., and 8917 Euclid Ave., Cleveland, O.
- TREAT, Merritt W. (Junior, 1917), Hydraulic Pressed Steel Co., and *for mail*, 2057 E. 82nd St., Cleveland, O.
- *TREAT, Sidney W. (1911; Associate-Member, 1916), 1st Lieut., U. S. R., O. D., Trench Warfare Sec., 1330 F St., Washington, D. C., and Southfield Point, Stamford, Conn.
- TREDWELL, Kenneth I. (1912; Associate-Member, 1917), Production Engr.'s Staff, Winchester Repeating Arms Co., New Haven, and *for mail*, 4 Belmont St., Whitneyville, Conn.
- TREFTS, John C. (1909), Farrar & Trefts, 54-56 Perry St., Buffalo, N. Y.
- *TREGO, A. C. (Junior, 1915), 1st Lieut., O. O. R. C., U. S. A., Springfield Armory, Springfield, Mass.
- TREMAINE, E. G. (1889), 111 First St., Jersey City, N. J.
- TRENOR, Albert D. (Associate-Member, 1914), Engr., Hammond Radio Research Lab., Gloucester, Mass., and *for mail*, 146 Central Park West, New York, N. Y.
- TRIBE, James (1889), M. E., Allis-Chalmers Mfg. Co., and *for mail*, 575 Murray Ave., Milwaukee, Wis.
- TRIBKEN, Charles W. (1912), Contr. Engr., Automatic Sprinkler Co. of Am., 332 Granite Bldg., and 273 Rosedale St., Rochester, N. Y.
- *TRIMMER, James W. (Junior, 1916), Ensign, U. S. N. R. F., Class 2; Stand. Transportation Co., 26 Broadway, New York, and *for mail*, 737 E. 32d St., Brooklyn, N. Y.

- TRINDER, Frederick J. (1913). State Supvr. Trade Education Coun., State Bd. of Education, 42 Capitol. Hartford, and 160 Slater St., Manchester, Conn.
- TRINKS, W. (1905). Prof. M. E., Carnegie Inst. of Tech., and 1410 Dennison Ave., Pittsburgh, Pa.
- TRIPP, Samuel F. (Associate-Member, 1915). Constr. Supt., I. R. T. Co., E. 74th St. Power Sta., and 1104 Findlay Ave., New York, N. Y.
- TRIX, John (1913). Pres., Mgr., Am. Injector Co., 175 14th Ave., and 61 E. Hancock Ave., Detroit, Mich.
- TROTH, P. Howard (1903). Second V. P., Mgr., New Orleans Branch, The Fairbanks Co., 900-926 Camp St., New Orleans, La.
- TROTTER, Arthur H. (1914). Ch. M. E., Sdad. de Minas y Fundiciones de Carrizal, Caldera, Chile, South Amer., and 620 Crouse Ave., Syracuse, N. Y.
- TROTTER, Henry R. (Associate-Member, 1916). M. E., S. K. F. Ball Bearing Co., Hartford, and *for mail*, Wilson, Conn.
- TROTZ, J. O. Emanuel (1906). Managing Dir., Kockums Jernverks, Aktb., Kallinge, and *for mail*, Svanevik, Ronneby, Sweden.
- TROUTMAN, Howard E. (Associate, 1906). Worthington Pump & Mch. Co., and *for mail*, 4448 Prairie Ave., Chicago, Ill.
- *TROWBRIDGE, Amasa (1892: 1903). Major, Ord. Dept., U. S. R., Watervliet Arsenal, Watervliet, N. Y.
- TROWBRIDGE, Francis C. (Junior, 1889). Pres., Genl. Mgr., The Black-Clawson Co., P. O. Box 383, and 723 Dayton St., Hamilton, O.
- TRUBE, G. A. (1900). Export Mgr., Westinghouse Air Brake Co., and Kenmawr Hotel, Pittsburgh, Pa.
- TRUE, Charles H. (1913). S. Supt., Loco. Superheater Co., East Chicago, and 20 Highland St., Hammond, Ind.
- TRUITT, R. Marshall (1913). Genl. Mgr., F. J. Stokes Mch. Co., 17th and Cambria Sts., Philadelphia, and *for mail*, Wayne and Westview Aves., Germantown, Philadelphia, Pa.
- TRUMP, Charles C. (Junior, 1914). Secy., M. E., Humphrey Gas Pump Co., Stumpf Uniflow Eng. Co., 401 S. A. & K. Bldg., and 216 Ostrom Ave., Syracuse, N. Y.
- TRUMP, Edward N. (1880: 1890). Vice-President, 1905-1907: V. P., The Solvay Process Co. Pres., Stumpf Uniflow Eng. Co., and *for mail*, 1912 W. Genesee St., Syracuse, N. Y.
- *TRUSCOTT, Harold S. (1914). Capt., Co. 1. 3d Bat., 4th Inf. Reg't: Factory Supt., Hawaiian Sugar Co., Makaweli, Kauai, Hawaii.
- TRYON, Clarence A. (1916). Ch., Engr., Acheson Graphite Co., Buffalo Ave. and Portage Rd., Niagara Falls, and La Salle, N. Y.
- TUBBY, Charles W. (1912). St. Paul Sales Mgr., Worthington Pump & Mch. Corp'n, 613 Merchants Natl. Bank Bldg., and 901 Fairmont Ave., St. Paul, Minn.
- TUCKER, Frank S. (1905). 14 W. 127th St., New York, N. Y.
- TUFTS, Leonard (1901). Operator of Resorts, Pinehurst, N. C.
- TULLOSS, Joseph C. (Associate-Member, 1916). Ch. Draftsman, United Ry. and Elec. Co., Carroll Park Shops, and *for mail*, 2807 Elsinor Ave., Baltimore, Md.
- *TUPPER, Frederick G. (1916). Lieut. (Jr. Grade), U. S. N. F. R., U. S. S. Atlantic, care of Postmaster, N. Y., and Liverpool & London & Globe Ins. Co., New Orleans, La.
- TURLEY, Charles L. (Junior, 1915). Yard Supt., Whitaker Glessner Co., and *for mail*, 843 Second St., Portsmouth, O.
- TURNBULL, George B. (Associate-Member, 1914). Ch. Engr., Great Lakes Engrg. Wks., and *for mail*, 471 McClellan Ave., Detroit, Mich.
- TURNBULL, Myrton J. (Associate-Member, 1916). Cons. Engr., 1319 Pennsylvania Bldg., and 6037 Ludlow St., Philadelphia, Pa.

- *TURNER, Channing (Associate-Member, 1916), 1st Lieut. Field Art., O. R. C., Clearwater, Mont.
- TURNER, Charles H. (1905; 1917), Ch. Engr., Osgood Bradley Car Co., Mountain St., and *for mail*, 17 Randolph Rd., Worcester, Mass.
- TURNER, Charles Phillip (Associate, 1907), Constr. Foreman, Genl. Elec. Co., Monadnock Bldg., Schenectady, N. Y., and 525 E. 46th St., Chicago, Ill.
- TURNER, Charles Prentice (1912), Ch. Engr., Steelton Plant, Bethlehem Steel Co., Steelton, and *for mail*, 1042 Rolleston St., Harrisburg, Pa.
- TURNER, Frank C. (1914), Rep. So. Wheel Co., and 3 Glen Iris Park, Birmingham, Ala.
- TURNER, Guy S. (1915), Supt., Memphis Gas & Elec. Co., and 734 Union Ave., Memphis, Tenn.
- TURNER, Ralph E. (Associate-Member, 1915), Assoc. Editor, Power Plant Engrg., 537 S. Dearborn St., Chicago, and *for mail*, Western Springs, Ill.
- *TURNER, Robert T. Jr. (Associate-Member, 1916), Gunner, N. Y. Training Bat.; Sales Engr., Shepard Elec. Crane & Hoist Co., 30 Church St., and 417 W. 120th St., New York, N. Y.
- TURNER, Walter V. (1913), Mgr. of Engrg., Westinghouse Air Brake Co., Wilmerding, and 117 Biddle Ave., Wilkesburg, Pa.
- TURNER, William C. (Junior, 1913), Engr. of Wks., U. S. & Cuban Allied Wks. Engrg. Corp'n, 51 Cuba St., Havana, Cuba.
- TURNER, William P. (1900; 1908), Prof. Practical Mech., Purdue Univ., Lafayette, Ind.
- TURNER, Walter G. W. (1913; Associate-Member, 1916), Engr., Estimator, H. W. Johns-Manville Co., 41st St. and Madison Ave., and 2960 Briggs Ave., New York, N. Y.
- *TUSKA, Gustave R. (1900), Maj., E. O. R. C.; Cons. Engr., 68 William St., and 121 E. 56th St., New York, N. Y.
- TUTTLE, George W. (Junior, 1917), Asst. Mech. Supt., East. Mfg. Co., and *for mail*, Box 391, Lincoln, Maine.
- TUTTLE, Henry A. (1914), Ch. Engr., Evans Stamping & Plating Co., and *for mail*, 185 Highland St., Taunton, Mass.
- TUTTLE, Irving E. (1909; Associate-Member, 1916), H. W. Johns-Manville Co., Madison Ave. and 41st St., New York, and *for mail*, Great Neck Sta., N. Y.
- TUTTLE, Walter I. (1908; 1916), Treas and Genl. Mgr., Frank Mossberg Co., Lamb St., Attleboro, Mass., and *for mail*, 32 Medway St., Providence, R. I.
- TUTTLE, Willard S. (1900), Pres., Garwood Bronze & Iron Wks., Garwood, N. J., and *for mail*, 27 Cambridge Pl, Brooklyn, N. Y.
- TUTTLE, William B. (1905), V. P., San Antonio Traction Co., 305 E. Houston St., and Terrell Road and New Braunfels Ave., San Antonio, Tex.
- TUVIN, Julius H. (Junior, 1912), Mgr., The Tuviv Co., 6119 Penn Ave., Pittsburgh, Pa.
- TWINING, Wm. S. (1897), Dir. Dept. City Transit, City of Philadelphia, 754 Bourse Bldg., and *for mail*, 119 Harvey St., Germantown, Philadelphia, Pa.
- TWOMBLY, Alexander H. (1916), Twombly & Hemphill, 50 Church St., New York, N. Y., and 85 Woodland Ave., Summit, N. J.
- TYBERG, Oluf (1898), Point Loma, Cal.
- TYDEMAN, William A. (Junior, 1909), Vice Pres. and Treas., Macan Jr. Co., and *for mail*, 856 Meixell St., Easton, Pa.
- TYLER, Chas. C. (1897), V. P., Remington Arms-Union Metallic Cartridge Co., 233 Broadway, New York, N. Y., and *for mail*, 1139 Fairfield Ave., Bridgeport, Conn.

- TYLER, Hazen G. (Junior, 1913), Asst. Prof. M. E., New York University, Univ. Heights, New York, N. Y.
- TYLER, Warren C. (Associate, 1915), N. Y. Mgr., Poole Engrg. & Mch. Co., 50 Church St., New York, N. Y., and *for mail*, 8 S. Arlington, Ave., East Orange, N. J.
- TYLER, Willard C. (Associate, 1908), 11 Everett St., Cambridge, Mass.
- TYNG, Arthur (1913), Cons. Engr., Iroquois Bldg., and 546 Delaware Ave., Buffalo, N. Y.
- TYSER, Leo (Junior, 1917), Supt. Heating Div., Terminal Freezing & Heating Co., 430 South Eutaw St., and *for mail*, 1909 W. North Ave., Baltimore, Md.
- TYSON, James S. Y. (Associate-Member, 1916), Engr., E. T. Stotesburg, and *for mail*, 557 Wyndmoor Ave., Chestnut Hill, Philadelphia, Pa.
- TYSON, Robert E. (1916), Pres., Tyson Bros., Inc., Carteret, and 222 4th Ave., Roselle, N. J.
- UEBELACKER, Charles F. (1913), Mem. of Firm, Ford, Bacon & Davis, 115 Broadway, New York, N. Y., and 267 Summit Ave., Hackensack, N. J.
- UEHLING, Edward (Junior, 1916), Allis Chalmers Mfg. Co., Milwaukee, and *for mail*, 486 63rd Ave., West Allis, Wis.
- UEHLING, Edward A. (1883), Life Member; Pres., Uehling Instrument Co., Delaware Ave., and *for mail*, 199 Franklin Ave., Passaic, N. J.
- UHL, William F. (1912), Hyd. Engr. with Charles T. Main, 201 Devonshire St., Boston, Mass.
- UIHLEIN, Herman A. (Junior, 1913), Pres., Genl. Mgr., The Lavine Gear Co., Racine, and 477 Kenilworth Pl., Milwaukee, Wis.
- UIHLEIN, William B. (Junior, 1907), Genl. Supt., Jos. Schlitz Brewing Co., and 840 Lake Drive, Milwaukee, Wis.
- ULBRIGHT, T. Carlile (1908; Associate-Member, 1913), Asst. Mgr., Am. Steel Co. of Cuba, Empedrado 17, and Calle 11—No. 394 entre 2 y 4—Vedado, Havana, Cuba.
- ULMANN, Carl J. (1886), 113 Grand St., and 155 W. 74th St., New York, N. Y.
- *UNDERHILL, Charles R. (1917), Capt., Av. Sec., S. R. C., and *for mail*, 1214 Chapel St., New Haven, Conn.
- UNDERHILL, Henry L. (1915), Engrg. Dept., The Bartlett Hayward Co., and *for mail*, The Albion Hotel, Baltimore, Md.
- UNDERWOOD, Charles N. (1913; 1917), Remington Typewriter Co., and *for mail*, 160 West St., Ilion, N. Y.
- UNGER, John S. (1886), Cons. Engr., 3344 Broadway, Chicago, Ill.
- UNWIN, William C. (Honorary, 1898), 29 Palace Gate, Kensington, London, W., England.
- UPDEGRAFF, William B. (1910), M. E., The Watson-Stillman Co., 50 Church St., New York, N. Y., and Roselle, N. J., and *for mail*, 522 Magie St., Elizabeth, N. J.
- UPP, John W. (1903), Mgr. Switchboard Dept., Genl. Elec. Co., and *for mail*, 40 Wendell Ave., Schenectady, N. Y.
- UPSON, Lyman A. (1884), Pres., Treas., Upson-Martin Co., Inc., Thompsonville, Conn.
- UPSON, Maxwell M. (1901; 1907; 1912), Secy., Ch. Engr., Genl. Mgr., Raymond Concrete Pile Co., 140 Cedar St., New York, N. Y., and 83 Dwight Pl., Englewood, N. J.
- UPTON, George B. (1916), Asst. Prof. Exper. Engrg., Cornell Univ., and *for mail*, 11 Central Ave., Ithaca, N. Y.
- VAIL, Guy R. (1912), M. E., Am. Steam Pump Co., and *for mail*, 44 S. Wabash Ave., Battle Creek, Mich.

- VAILLE, J. Henry (1888), Pres., Treas., Vaile & Kimes, and *for mail*, 119 N. Jefferson St., Dayton, O.
- VALDES, Jesus M. (Junior, 1916), Engr., Lombard & Co., O'Reilly 9, and *for mail*, Lagunas 6, Havana, Cuba.
- VALENTINE, Warren R. (1916), Supt. Shop 2, Pittsburgh Plate Glass Co., Ford City, Lock Box 226, and *for mail*, Lock Box 142, Kittanning, Pa.
- VALLANCE, Alexander (Associate-Member, 1915), Asst. Prof. Exper. Engrg., Ga. Sch. of Tech., and 20 W. 12th St., Atlanta, Ga.
- VALTIER, Franz V. (1913), Gurney Elec. Elev. Co., Honesdale, Pa.
- VAN ALSTYNE, David (1914), Asst. V. P., Am. Loco. Co., 30 Church St., and 823 West End Ave., New York, N. Y.
- VAN BRUNT, Edmund S. (Associate-Member, 1914), Ord. Office, U. S. A., 18th and E Sts., N. W.; Designer of Ordnance, War Dept., and *for mail*, Apt. 2, 1330 Massachusetts Ave., Washington, D. C.
- VAN BRUNT, John (1914), Ch. Engr., Combustion Engrg. Corp., 11 Broadway, and 601 W. 190th St., New York, N. Y.
- VAN BUSKIRK, Henry C. (1906), Genl. Supt., Griffin Wheel Co., 445 N. Sacramento Blvd., Chicago, and 309 N. Harvey Ave., Oak Park, Ill.
- VAN CLEVE, Horatio P. (1912; 1916), Ch. Draftsman, The J. Edward Ogden Co., 147 Cedar St., New York, N. Y.
- VANCE, Walter N. (1914), V. P., Durand Steel Locker Co., and 260 W. 14th St., Chicago Heights, Ill.
- VAN DEINSE, A. F. (1905; 1916), Federal Light & Traction Co., 60 Broadway, New York, N. Y.
- VANDE MARK, E. Stuart (Associate-Member, 1917), M. E., Parish Mfg. Co., and 615 Centre Ave., Reading, Pa.
- VANDEMOER, John (Associate, 1904), Constr. Engr. Mex. Dept., Am. Smelting & Refining Co., 1108 Mills Bldg., and Harts Apts. No. 1, El Paso, Tex.
- *VAN DENBURGH, O. A., Jr. (Junior, 1916), Enlisted Ord. Corps, U. S. A.; 38 Sheridan Ave., Troy, N. Y.
- VANDERBILT, Cornelius (1899; Associate, 1901), 30 Pine St., and *for mail*, 677 Fifth Ave., New York, N. Y.
- VANDERGRIFF, James W. (1909), V. P., Genl. Mgr., So. Pipe Line Co., Woolworth Bldg., and *for mail*, 665 W. Chestnut St., Lancaster, Pa.
- VAN DERHOEF, Geo. N. (1893; 1898), East. Cons. Engr., Dodge Mfg. Co., 21 Murray St., New York, N. Y., and Arlington, N. J.
- VAN DER HOEVEN, Constant (1917), Mgr. N. Y. Office, Lindeteves-Stokvis, of Amsterdam, Holland, 11 Broadway, and 36 Union Sq., New York, N. Y.
- VAN DERVOORT, William H. (1914), Pres., Genl. Mgr., Root & Van Dervoort Engrg. Co., East Moline, and 2711 Eighth Ave., Moline, Ill.
- VAN DERVORT, Adrian O. (Junior, 1900), Supt., Hammett Mch. Wks., and *for mail*, 5 Frear Ave., Troy, N. Y.
- VANDER WILLIGEN, T. A. (1896; 1904), Rep., Humphreys & Glasgow, Ltd., 209 Chaussée d'Ixelles, Brussels, Belgium.
- VAN DEVENTER, John H. (1914), Managing Editor, Am. Machinist, 10th Ave. and 36th St., New York, and *for mail*, 5 Lamartine Terrace, Yonkers, N. Y.
- VANIMAN, R. L. (Junior, 1916), Pres., Produce Terminal Corp'n, Union Stock Yards, and 1134 E. 46th St., Chicago, Ill.
- VAN KENNEN, Harold H. (Junior, 1916), M. E., Rochester & Pittsburgh Coal & Iron Co., Punxsutawney, Pa.
- VAN KEUREN, Edgar B. (Junior, 1912), Mech. and Industrial Engr., 1320 Jefferson Bank Bldg., Birmingham, Ala.

- VAN PATTEN, William E. (1910), Light, Heat and Power Engr., D., L. & W. R. R. Co., Hoboken, and *for mail*, 212 William St., Boonton, N. J.
- VAN STONE, Charles (1914), V. P., Lamsden & Van Stone Co., 426 First St., S. Boston, and 46 West St., Reading, Mass.
- VAN SYCKEL, Frederick T. (Junior, 1915), Niles-Bement-Pond Co., 111 Broadway, New York, N. Y., and *for mail*, 75 Snyder St., Orange, N. J.
- VAN TRUMP, Charles R. (1893; 1898), Life Member; 305 W. 8th St., Wilmington, Del.
- *VAN VALKENBURGH, Merritt (Junior, 1915), Insp. of Airplanes and Airplane Eng., Signal Corps, U. S. A., and *for mail*, 16 Arlington Pl., Brooklyn, N. Y.
- VAN VALKENBURGH, R. D. (1901; 1905; 1911), 511 Y. M. C. A., Scranton, Pa.
- VAN VOORHIS, Frederick S. (Junior, 1912), M. E., Diamond Mills Paper Co., Saugerties, N. Y., and Madison, N. J.
- *VAN WINKLE, Edward (1904; 1908), Capt., 24th Engrs., N. A., Camp Dix, Wrightstown, N. J.; Cons. Pat. Engr., 90 West St., New York, N. Y.
- VAN WINKLE, Herbert H. (Junior, 1906), Ch. Engr., The John H. McGowan Co., 54 Central Ave., Cincinnati, O.
- VAN WINKLE, Howard E. (Junior, 1915), Stone Ridge, N. Y.
- VAN WORMER, Ralph B. (1916), Associated with Am. Linseed Co., P. O. Box 336, Port Richmond, S. I., N. Y.
- VAN YORX, John H., Jr. (1917), Mgr. Fdy., Bullard Mch. Tool Co., and *for mail*, 230 Lenox Ave., Bridgeport, Conn.
- VAN ZANDT, Paul C. (1900; 1907; 1909), M. E., Allis-Chalmers Mfg. Co., 2029 Peoples Gas Bldg., Chicago, and 299 N. Franklin Ave., River Forest, Ill.
- VARIAN, Howard M. (Junior, 1916), Ch. Draftsman, Great Lakes Engrg. Wks., and *for mail*, 711 MacDougall Ave., Detroit, Mich.
- VARNES, Samuel K. (Junior, 1910), Mech. Exper. Div. Engrg. Dept., E. I. du Pont de Nemours & Co., du Pont Bldg., and *for mail*, The Kennett, Wilmington, Del.
- VARNEY, Wm. W. (1892), M. E., Atty-at-Law, 1221 Calvert Bldg., and *for mail*, 710 N. Carey St., Baltimore, Md.
- VASSAR, Hervey S. (1914), Lab. Engr., Pub. Serv. Elec. Co., 102 River St., Newark, and *for mail*, 39 Willard Ave., Bloomfield, N. J.
- VATER, Frank F. (1915), Pres. Power Plant Spec. Co., 1306 Monadnock Bldg., and 4817 Sheridan Rd., Chicago, Ill.
- VAUCLAIN, Andrew C. (1912), 2416 N. 54th St., Philadelphia, Pa.
- VAUCLAIN, Samuel M. (1894), Vice-President, 1904-1906; Sr. V. P., The Baldwin Loco. Wks., 500 N. Broad St., Philadelphia, and Rosemont, Pa.
- *VAUGHAN, Aubrey W. (1912; 1916), Capt. Quartermaster, U. S. R., and *for mail*, 54 Oak St., Stoneham, Mass.
- VAUGHAN, Henry H. (1899), Vice-President, 1910-1912; V. P., Dominion Bridge Co., Ltd., and 20 Macgregor St., Montreal, Que., Canada.
- VAUGHAN, John A. (1902), Ch. Insp., Mchy., Box 1132, Johannesburg, Transvaal, S. A.
- VAUGHAN, John F. (1917), Engr., 185 Devonshire St., Boston, Mass.
- VAUGHAN, Lillian L. (Associate-Member, 1916), Asst. Prof. Exper. Engrg., N. C. College of Agri. and Engrg., West Raleigh, N. C.
- VAUGHN, Francis Arthur (1917), Cons. Engr., Vaughn & Meyer, Security Bldg., and 271 31st St., Milwaukee, Wis.

- VEAL, C. B. (1907; 1912), Asst. Inspec. Engr., Curtiss Aeroplane & Motor Corp'n, 65 Churchill St., and *for mail*, 275 Norwalk Ave., Buffalo, N. Y.
- VEDDER, John N. (1914), Union College, Schenectady, N. Y.
- VEDDER, J. Warren (1917), Genl. Mgr. Rice, Barton & Fales M. & I. Co., and 14 Germain St., Worcester, Mass.
- VEEDER, Curtis H. (1888; 1897), Pres., Veeder Mfg. Co., 28 Sargeant St., Hartford, Conn.
- VEHSLAGE, Harold E. (Junior, 1912), Asst. M. E., Union Seed & Fertilizer Co., 65 Broadway, and *for mail*, 345 W. 70th St., New York, N. Y.
- VEIT, Richard C. (1891), Secy., Stand. Oil Co. of N. Y., 26 Broadway, New York, N. Y.
- VENESS, Alfred E. (1911), Production Mgr., Am. Chain Co., Inc., and *for mail*, 649 Clinton Ave., Bridgeport, Conn.
- VENNEMA, A. W. (Junior, 1916), Asst. Supt., The Manhattan Rubber Mfg. Co., and 30 Kent Court, Passaic, N. J.
- VENNUM, George C. (1913), M. E., Electric Bond and Share Co., 71 Broadway, New York, N. Y., and 536 Pleasant Pl., Westfield, N. J.
- de VERASTEGUI, Albert (1889), Managing Dir., Foreign Dept., Babcock & Wilcox Co., 85 Liberty St., and Hotel Ansonia, New York, N. Y.
- VERHEY, Hubert C. (1915), Ch. Draftsman, Emergency Fleet Corp'n., and *for mail*, 4521 9th St., N. W., Washington, D. C.
- VERNER, William F. (1912; 1913), M. E., Esselstyn, Murphy & Hanford, 206 Telegraph Bldg., Detroit, and *for mail*, 908 Lincoln Ave., Ann Arbor, Mich.
- VERNON, Percy V. (1906), Dir., Alfred Herbert, Ltd., Coventry, and *for mail*, Penvorn, Manor Rd., Coventry, England.
- VERSHBINSKY, David M. (Associate, 1917), Pres., David Vershbinsky, Inc., 31 Nassau St., New York, N. Y., and *for mail*, 23 Kronverkskaia, Petrograd, Russia.
- VIALI, Ethan (1912), Managing Editor, Am. Machinist, Hill Publishing Co., 36th St. and 10th Ave., New York, N. Y.
- VIALI, William A. (Associate, 1902), Secy., Brown & Sharpe Mfg. Co., Box 1385, Providence, R. I.
- VICK, Augustas T. (1911), Mgr., P. E. Newberg Elec. Co., 630 Chronicle Bldg., and 1014 Jacinto St., Houston, Tex.
- VICKESS, Samuel (1901), Cons. Engr., 129 Front St., and 234 W. 75th St., New York, N. Y.
- VIDETO, Theodore N. (Junior, 1912), 20 Arlington St., Framingham, Mass.
- VIEDT, Harold B. (Junior, 1916), Asst. Supt., Radium Luminous Materials Co., 166 Alden St., Orange, and *for mail*, 25 Western Ave., Morristown, N. J.
- *VIETS, Harry A. (1913; 1916), Sergeant, 13th Coast Defense Command, N. Y. N. A., Ch. Draftsman Ordnance Dept., E. W. Bliss Co., 53rd St. and 1st Ave., and *for mail*, 10 Bay Ridge Pl., Brooklyn, N. Y.
- VINCENT, Arthur S. (Associate, 1908), Cons. Engr., Supt., Belnord Apts., 86th St. and Broadway, New York, N. Y.
- VINCENT, Gilbert I. (1913), Engr., Syracuse Lighting Co., and 600 Ostrum Ave., Syracuse, N. Y.
- VINCENT, Major, Jesse G. (1908; 1910), V. P. of Engrg., Packard Motor Car Co., East Grand Blvd., Detroit, Mich., and *for mail*, Bureau of Standard, Chemistry Bldg., Washington, D. C.
- VINE, Howard L. (Junior, 1916), Tool Designer, Packard Motor Car Co., and 1392 Iroquois Ave., Detroit, Mich.
- *VINNEDGE, Earle W. (Junior, 1917), 2nd Lieut., 309th Engrs., Amer. Exped. Force, France, and *for mail*, 34 Walnut Ave., Wyoming, O.

- VIOLA, Bartholomew (1901), Cons. Engr., Rm. 433, 1328 Broadway, New York, and 244 New York Ave., Brooklyn, N. Y.
- VOCKE, Charles W. (Associate-Member, 1915), M. E., Nitrogen Fixation Corp'n., 120 Broadway, New York, N. Y., and *for mail*, 9 Monroe St., Ridgewood, N. J.
- VOCKELL, William H. (Junior, 1916), In Charge Tool Designing Dept., Cincinnati Milling Mich. Co., and 3708 Michigan Ave., Cincinnati, O.
- VOELKER, Frank (Junior, 1914), Draftsman, Westinghouse, Church, Kerr & Co., 37 Wall St., New York, and *for mail*, 460 Fifth St., Brooklyn, N. Y.
- *VOGT, Clarence W. (Junior, 1915), 1st Lieut., O. D., O. R. C., V. P., Mgr., Vogt Bros. Mfg. Co., and Natl. Fdy. & Mch. Co., 1402 W. Main St., and 2110 Cherokee Parkway, Louisville, Ky.
- VOGT, Robert F. (1911), Cons. M. E., Allis-Chalmers Mfg. Co., and *for mail*, 722 Farwell Ave., Milwaukee, Wis.
- VOIGHT, Henry G. (1908), Mem. Shop Com., Sargent & Co., P. O. Box 1351, New Haven, and 37 Hawkins St., New Britain, Conn.
- VOIGT, L. S. (Junior, 1915), Foreman, Coke Plant Gas Inspr., Ill. Steel Co., and *for mail*, 704 Carolina St., Gary, Ind.
- VOLKMAR, Walter H. (Associate-Member, 1916), Staff Mgr., Baker, Sutton & Harrison, 31 Nassau St., New York, N. Y.
- VON BAYER, August H. (1912), Supt., Semet-Solvay Co., Wheeling, and 33 Walnut Ave., Woodlawn, Wheeling, West Va.
- von GOEBEN, Carl (1899), Erection Supt., De La Vergne Mch. Co., foot of E. 138th St., and *for mail*, 1974 Madison Ave., New York, N. Y.
- von MILLER, Dr. Oskar (Honorary, 1912), Reichsrat, Ferdinand Millerplatz 3, Munich, Germany.
- von OSWALD, William (1899), Privy Councillor of Commerce, Bergassessor a D., Carl Spaeter, Rheinzollstr. 6, and Rheinanlagen 9, Coblenz, Germany.
- von PEIN, Edward J. (1913), Inventor, Designer, Natl. Cash Register Co., and R. D. 8, Dayton, O.
- von PHUL, Gilbert D. (1912), Contr. M. E., Sugar and Genl. Mch., 322 Hibernia Bank Bldg., New Orleans, La.
- von PHUL, William (1907), Mem. of Firm, Ford, Bacon & Davis, 58 Sutter St., San Francisco, Cal.
- von SCHLEGEL, Frederick (1915), Pres., Industrial Elec. Furnace Co., 53 W. Jackson Blvd., Chicago, and 1624 Wesley Ave., Evanston, Ill.
- von VITTINGHOFF, Hans (1916), Stone & Webster, 147 Milk St., Boston, and *for mail*, 154 Mt. Vernon St., Winchester, Mass.
- VOORHEES, Albert C. (Junior, 1915), Ch. Submarine Draftsman, Cal. Shipbuilding Co., Long Beach, Cal.
- VOORHEES, Gardner T. (1900), Refrig. Engr., 32 W. 40th St., New York, N. Y.
- *VOORHEES, John R. (Associate-Member, 1916), Lieut. O. D., U. S. A., Sandy Hook Proving Ground, Ft. Hancock, and 68 Western Ave., Morristown, N. J.
- VOOS, Frederick W. (Junior, 1916), Winchester Repeating Arms Co., and *for mail*, 83 Parmelee Ave., New Haven, Conn.
- VOSBURY, W. DeWitt (1911), Cons. Engr., Remington & Vosbury, 601 Market St., Camden, and 129 Walnut St., Haddonfield, N. J.
- VOSE, Clarence (1891), Bellport, L. I., N. Y.
- VOSE, Fred H. (1906; 1910), Prof. M. E., Case Sch. of Applied Science, Cleveland, and 3203 Whitethorne Rd., Euclid Heights Village, O.
- *VOY, Edward L. (Associate-Member, 1916), Depot Bat., 7th Reg't., 206 W. 70th St., New York, N. Y.
- VREELAND, Elmer L. (Associate-Member, 1916), Supt., Mehl Mch.

- Tool & Die Co., Roselle, and *for mail*, 780 Summer Ave., Newark, N. J.
- VUILLEUMIER, Albert (Associate-Member, 1916), M. M. & Asst. Supt. Ball Plant, New Departure Mfg. Co., and *for mail*, P. O. Box 261, Bristol, Conn.
- WACHENBERG, Lewis (Associate-Member, 1917), Tech. Asst. to Supt., Arbuckle Bros. Sugar Refinery, Foot of Jay St., Brooklyn, and *for mail*, 1829 7th Ave., New York, N. Y.
- WACHS, Theodore (Junior, 1911), Engr., The E. H. Wachs Co., 1525 Dayton St., and 4534 Dover St., Chicago, Ill.
- WACHTLER, William B. (Junior, 1916), Asst. Engr. of Tests, Hyatt Roller Bearing Co., Newark, and *for mail*, 311 Madison St., Passaic N. J.
- WADD, Roy J. (Junior, 1917), Sales Engr., Shepard Elec. Crane & Hoist Co., 335 Peoples Gas Bldg., Chicago, Ill.
- WADDELL, Charles E. (1903; 1907), Cons. Engr., 78 Patton Ave., Asheville, N. C.
- WADDELL, George F. (Associate, 1898), M. E., Squirrel, Fremont Co., Idaho.
- WADDELL, Joseph A., Jr. (1913), Genl. Supt., Spencer Heater Co., 1540 Albright Ave., and *for mail*, 1650 Monsey Ave., Scranton, Pa.
- *WADDELL, Robert (1914; 1917), Lieut., R. F. C., 9 Denning Rd., Hempstead, London, N. W. 3, England.
- WADDELL, Tarver W. (1916), Mgr. New Orleans Off., Pawling & Harnischfeger Co., 927 Whitney Central Bldg., and 1518 Fern St., New Orleans, La.
- WADE, Alfred D. (Junior, 1917), Efficiency Engr., Schwarzenbach-Huber Co., Oak and Spring Sts., West Hoboken, and *for mail*, 55 W. Passaic Ave., Rutherford, N. J.
- WADIA, Ardesbir D. (1912), Advisory Engr., Prin., A. D. Wadia & Co., Ahmedabad and Bombay, Managing Prop., Imperial Iron Wks., Ahmedabad, Outside Raipur Gate, and *for mail*, care of A. D. Wadia & Co., Ahmedabad, India.
- WADLEIGH, George R. (1907), Cons. Engr., Bemis Bros. Bag Co., 601 S. 4th St., St. Louis, and 39 Jefferson Rd., Webster Groves, Mo.
- WADSWORTH, Frank L. O. (1903), Cons. Engr., Box 1, East Liberty Sta., Pittsburgh, Pa.
- *WADSWORTH, George R. (1910), Maj. U. S. A., Ch. Engr. Naval Aircraft Factory, Navy Yd., Philadelphia, Pa., and *for mail*, 37 Philbrick Rd., Brookline, Mass.
- *WADSWORTH, J. Frederic (1915; Associate-Member, 1917), Co. A., Mch. Gun Bat. No. 313, Camp Lee, Petersburg, Va., Asso. Mem., Richard Irvin & Co., 310 Commerce Bldg., and 254 W. 8th St., Erie, Pa.
- WAERN, A. W. (1908), Cons. Engr., Jos. H. Wallace & Co., Temple Court Bldg., New York, N. Y.
- WAGENSEIL, Edgar W. (1916), Sales Mgr., Burke Furnace Co., 223 W. Austin Ave., and 5766 E. Circle Ave., Chicago, Ill.
- *WAGNER, Charles F. (1916), Capt., E. O. R. C., Camp Gordon, and 72 Drewry St., Atlanta, Ga.
- WAGNER, Frank C. (1895), Prof. M. and E. E., Rose Poly. Inst., and *for mail*, 1111 S. 6th St., Terre Haute, Ind.
- *WAGNER, Frederick H. (1913), Maj., O. O. R. C., Ch. Engr., The Bartlett Hayward Co., Scott and McHenry Sts., and *for mail*, Rogers Ave. and Pimlico Rd., Sta. E, Baltimore, Md.
- WAGNER, Otto H. (Associate-Member, 1914), Pres., Stacy-Bates Co., 817 McKnight Bldg., Minneapolis, Minn.
- WAGONER, Philip D. (1914), Pres., Genl. Vehicle Co., Inc., Borden and Star Aves., Long Island City, L. I., N. Y.

- WAHL, Henry R. (1915), M. E., Commonwealth Edison Co., 22d and Fisk St., and 6148 Eberhart Ave., Chicago, Ill.
- *WAHL, James H. (Junior, 1917), Lieut. (Jr. Grade), U. S. N. R. F., Asst. to Ch. Engr., Transit Development Co., 500 Kent Ave., and *for mail*, 55 Hanson Pl., Brooklyn, N. Y.
- WAINRIGHT, Arthur V. (1915), Engr. Pub. Utility Div., Natl. City Co., 55 Wall St., New York, N. Y., and *for mail*, 218 Maple Ave., Red Bank, N. J.
- WAINWRIGHT, Lucius M. (1907), Pres., Diamond Chain & Mfg. Co., 241 W. Georgia St., and 1851 N. Penna St., Indianapolis, Ind.
- WAIT, Henry H. (1905), Cons. M. and E. E., 4919 Dorchester Ave., and Waverly and St. Joe Rds., R. F. D. Route 1, Box 15, Chestertown, Ind.
- WAIT, J. Russell (1913), Mgr., Charleston Ore Co., P. O. Box 623, and 131 Rutledge Ave., Charleston, S. C.
- WAIT, William B. (Junior, 1914), Asst. Engr., Franklin Sugar Refining Co., Reed St. Wharf, Philadelphia, and *for mail*, 135 Forrest Ave., Drexel Hill, Pa.
- WAITE, Edward B. (1902; 1914), Cons. Engr., Lock Box 617, Millbury, and Sutton, Mass.
- *WAITT, Arthur M. (1893), Maj., E. O. R. C., Cons. Engr., 2 W. 45th St., New York, N. Y., and Sharon, Conn.
- WALBRIDGE, Arthur H. (Junior, 1916), Supt's. Office, Lens Dept., Bausch & Lomb Optical Co., and *for mail*, 101 S. Fitzhugh St., Rochester, N. Y.
- WALDECK, L. Edwin (Junior, 1913), Prop., E. Waldeck & Co., 31 Oakland Ave., and 132 Prospect St., Jersey City, N. J.
- WALDEN, Albert E. (1913; 1916), Ch. Engr., Supt., Baltimore Co. Water & Elec. Co., 100-102 W. Fayette St., Baltimore, and Hamilton Ave., Raspeburg, Baltimore Co., Md.
- WALDO, Leonard (1894), Cons. Engr., Rm. 802, 49 Wall St., New York, N. Y., and *for mail*, 640 W. 8th St., Plainfield, N. J.
- WALDRON, Frederick A. (1890; 1896), Industrial Engr., 37 Wall St., New York, N. Y., and 808 Hillside Ave., Plainfield, N. J.
- WALDRON, J. Laurence (Associate-Member, 1915), Steam Tester, Testing Bureau, Transit Development Co., Kent and Division Aves., and *for mail*, 652a Lafayette Ave., Brooklyn, N. Y.
- WALES, Chas. M. (1890), Iron and Steel Products, 11 Broadway, and 410 Riverside Drive, New York, N. Y.
- WALKER, Charles A. (Junior, 1912), Teaching M. E., London Co. Council Sch. of Engrg. and Navigation, High St., Poplar, E., and 53 Whittington Rd., Bowes Park, N., London, England.
- WALKER, Edwin C. (1916), Industrial Engr., The Hess Spring & Axle Co., 124 W. 66th St., Cincinnati, and *for mail*, 9 Springfield Ave., Wyoming, O.
- WALKER, Emery L. (1910), Genl. Supt., Kieckhefer Box Co., 16th and Canal Sts., Milwaukee, and *for mail*, 62 Center St., Wauwatosa, Wis.
- WALKER, Francis W., Jr. (Junior, 1915), Asst. Genl. Mgr., Beaver Falls Art Tile Co., and Patterson Heights, Beaver Falls, Pa.
- WALKER, Frank A. (1909; 1916), M. E., B. B. & R. Knight, and 175 Thayer St., Providence, R. I.
- WALKER, Frederick W. (1898; 1909), V. P., Ch. Engr., Comstock, Haigh, Walker Co., Wayne Co. Bank Bldg., Detroit, Mich., and *for mail*, Cedarburg, Ozaukee Co., Wis.
- WALKER, George G. (Junior, 1917), Stillman, Carnegie Steel Co., Farrell, and *for mail*, 39 Columbia Ave., Sharon, Pa.
- WALKER, Gilbert S. (1904), Cons. Engr., care of Am. Soc. M. E., 29 W. 39th St., New York, N. Y., and 4610 Forbes St., Pittsburgh, Pa.

- WALKER, Karl G. (Junior, 1914), Ch. Engr., Lawson & Co., Inc., 416 W. 33rd St., and 519 W. 141st St., New York, N. Y.
- *WALKER, L. E. (Associate, 1916), 1st Lieut. O. D., Prod. Sec., Carriage Div., U. S. R., 1800 E St., N. W., Washington, D C., and *for mail*, 4035 Locust St., Philadelphia, Pa.
- *WALKER, Perley F. (1908), Maj., 314th Reg't., N. A., Ft. Riley, Dean Sch. of Engrg., Univ. of Kan., and 1301 Ohio St., Lawrence, Kan.
- WALKER, Sidney G. (1907), Engr., Mfrs'. Mut. Fire Ins. Co., 815 Grosvenor Bldg., Providence, R. I., and 5 Acacia St., Cambridge, Mass.
- WALKER, William C. (Associate-Member, 1915), Tech. Asst., Semet-Solvay Co., and *for mail*, Solvay Club House, Syracuse, N. Y.
- *WALL, Geo. L. (1897; 1904), Maj., O. D., O. R. C., Watertown Arsenal, Watertown, and *for mail*, 40 Hawthorne Ave., Cambridge, Mass.
- WALL, William G. (1907), V. P., Ch. Engr., Natl. Motor Vehicle Co., and 2233 Park Ave., Indianapolis, Ind.
- WALLACE, David A. (1892; 1904), M. E., West. Elec. Co., Hawthorne Sta., Chicago, and *for mail*, 647 N. Oak Park Ave., Oak Park, Ill.
- WALLACE, Erwin V. D. (Junior, 1911), 9 Walinea Terrace, Clayton Mo.
- WALLACE, J. D., (1916), Pres., J. D. Wallace & Co., 1401-1405 W. Jackson Blvd., Chicago, and 533 S. Kenilworth Ave., Oak Park, Ill.
- WALLACE, Jacob H. (Associate, 1908), Engr., West. Chemical Mfg. Co., and *for mail*, 764 S. Grant St., Denver, Colo.
- WALLACE, Joseph H. (1897; 1901), Cons. Engr., Jos. H. Wallace & Co., Temple Court Bldg., New York, and 242 Mayflower Ave., New Rochelle, N. Y.
- WALLACE, Lawrence W. (1912), Asst. Genl. Mgr., Diamond Chain & Mfg. Co., and 24 Campbell St., Indianapolis, Ind.
- WALLACE, Robert H. (Junior, 1916), Factory Mgr., Alignum Products Co., South River, and 176 George St., New Brunswick, N. J.
- WALLACE, Ross S. (1904), V. P., Genl. Mgr., Central Ill. Light Co., 316 S. Jefferson Ave., and 172 Tredonia Ave., Peoria, Ill.
- WALLER, C. B. F. (Associate-Member, 1917), Engr. in charge of Boilers, Bureau of Water, 790A City Hall, and *for mail*, 212 So. 41st St., Philadelphia, Pa.
- WALLER, Carl R. (1913), Ch. Engr., De Laval Steam Turbine Co., and *for mail*, 493 Chambers St., Trenton, N. J.
- WALLICHS, Adolph O. (1908), Prof. Tech. Hochschule, and *for mail*, Nizza-Allee, 65, Aachen, Germany.
- WALES, C. M. (1890), Steel Castings & Forging, 11 B'way., and 410 Riverside Drive, New York, N. Y.
- WALLIS, James T. (1901), Genl. Supt. M. P., Pa. R. R. Lines East of Pittsburgh, and 1212 11th Ave., Altoona, Pa.
- WALLIS, Philip (1886), Hotel Roanoke, Roanoke, Va.
- WALLNER, Edward P. (Junior, 1916), Efficiency Dept., Nordyke & Marmon Co., and *for mail*, Y. M. C. A., Indianapolis, Ind.
- WALMSLEY, Harold M. (1917), The Union Gas & Elec. Co., and Res. Engr., Sargent & Lundy, Cincinnati, O.
- WALMSLEY, W. N. (1907), Genl. Mgr., Ala. Power Co., Brown-Marx Bldg., Birmingham, Ala.
- WALSER, Arthur (Associate-Member, 1915), M. E., Genl. Asbestos & Rubber Co., Charlestown, S. C.
- WALSH, Edward T. (1913), Wks. Mgr., Maxim Munitions Corp'n., Water St., Watertown, N. Y., and 69 Sanford Ave., Plainfield, N. J.
- WALSH, Francis S. (Associate-Member, 1917), 938 71st St., Brooklyn, N. Y.

- WALSH, Frank J. (Associate, 1916), Mech. Expt., Galena-Signal Oil Co., 319 Rv. Exch., 7632 No. Marshfield Ave., Chicago, Ill.
- WALSH, Walter V. (Junior, 1916), Insp. of Airplanes & Airplane Engr., Aviation Sec., Signal Corps, Standard Aero Corp., Plainfield, N. J., and *for mail*, 103 E. 88th St., New York, N. Y.
- *WALSH, William F. (Associate, 1915), Capt., E. O. R. Co., U. S. A., 319 Railway Exch., and *for mail*, 1119 Loyola Ave., Chicago, Ill.
- WALSH, William J. (Associate-Member, 1915), Plant Supt., Fayette R. Plumb, Inc., Bridesburg, Philadelphia, Pa.
- WALTER, Frank L. (1917), M. M., Dayton Engrg. Lab. Co., and R. R. No. 8, Dayton, O.
- WALTERS, William T. (Junior, 1915), Mech. Inspr., Ill. Central R. R., Rm. 1000 Park Row Sta., and *for mail*, 2nd Apt., 6038 Stony Island Ave., Chicago, Ill.
- WALTHER, Arthur C. (Associate-Member, 1916), Engr., Contr., 776 Mt. Prospect Ave., Newark, N. J.
- WALTHER, William E. A. (1914), M. E., Ill. Glass Co., Alton, and 2703 Judson St., Upper Alton, Ill.
- WALTON, Albert (Associate, 1911), Asst. Wks. Mgr., Henry Disston & Sons, Inc., 6601 N. 7th St., Oak Lane, Philadelphia, Pa.
- WALTON, Marshall R. (Junior, 1913), Wks. Engr., Pa. Salt Mfg. Co., Natrona, Pa.
- WALWORTH, Arthur C. (1886), Manager, 1894-1897; Pres., Malleable Iron Fittings Co. of Branford, Conn., 100 Pearl St., Boston, and 931 Centre St., Newton Centre, Mass.
- WANDEL, Carleton (Junior, 1914), Lumber Salesman, C. H. Pearson, 29 Broadway, New York, and *for mail*, 878 Park Pl., Brooklyn, N. Y.
- WANDLESS, Franklin W. (Associate-Member, 1917), Engr., Vapor-Vacuum Htg. Co., Otis Bldg., Philadelphia, Pa.
- WARBURTON, Robert L. (Associate, 1916), Engr., Alite Products Co., 11 Broadway, New York, N. Y., and *for mail*, 609 S. Belmont Ave., Newark, N. J.
- WARD, Charles E. (1900), Pres., The Charles Ward Engrg. Wks., and 213 Morris St., Charleston, W. Va.
- WARD, Fred B. (1917), Ch. Engr., Asst. to Genl. Mgr., John Inglis Co., Ltd., 14 Strachan Ave., Toronto, Ont., Canada.
- WARD, Harry A. (1916), Engr. of Plants, The Am. Oak Leather Co., Cincinnati, and *for mail*, 3243 Daytona Ave., Westwood, Cincinnati, O.
- WARD, J. Carlton, Jr. (Junior, 1917), M. E., Niles-Bement-Pond Co., The Niles Tool Wks. Co., and Dorona Apts., No. 11, Hamilton, O.
- WARDEN, Guy L. (Junior, 1916), Power Supt., E. I. du Pont de Nemours & Co., and 14 Ramsay Ave., City Point, Va.
- WARDENBURG, Frederic A. (1914), Asst. Ch. Engr., E. I. du Pont de Nemours & Co., 863 du Pont Bldg., and 2428 17th St., Wilmington, Del.
- WARDER, Walter J., Jr. (1911), Wks. Mgr., Roth Bros. & Co., 1400 W. Adams St., Chicago, Ill.
- WARDROP, G. Douglas (Junior, 1917), Secy., Managing Editor, *The Aerial Age Weekly*, 280 Madison Ave., New York, N. Y.
- WARDWELL, Frank W., Jr. (1917), Pres., The Wardwell Mfg. Co., 110-112 Hamilton Ave., and 2040 Stearns Rd., Cleveland, O.
- WARE, Corvin E. (Associate, 1916), Mgr. N. Y. Office, Hoppes Mfg. Co., 39 Cortlandt St., New York, N. Y., and Tenaflly, N. J.
- WAREAM, Chas. E. (Associate-Member, 1917), Ch. Engr., Dev. Dept., Am. Laundry Mch. Co., Norwood Sta., Cincinnati, and 4243 Floral Ave., Norwood, O.
- WARFIELD, William G. (1915), Ch. Engr., Pub. Serv. Elec. Co., Essex Power Sta., and *for mail*, 52 Cypress St., Newark, N. J.

- WARING, Charles A. (Associate-Member, 1914), Engrg. Dept., Willys-Overland, and *for mail*, 2902 Parkwood Pl., Toledo, O.
- WARING, Edward H. (1913), M. E., Crocker-Wheeler Co., Ampere, and *for mail*, 325 Washington St., Glen Ridge, N. J.
- WARNER, Charles L. (1913), Pres., Treas., & Genl. Mgr., The Baird Mch. Co., Bridgeport, and 78 W. River St., Milford, Conn.
- WARNER, Douglas K. (Junior, 1917), Efficiency Engr., New Departure Mfg. Co., and 153 Goodwin St., Bristol, Conn.
- WARNER, Edward P. (Junior, 1917), Aero. Engr., Signal Serv. at Large, U. S. A., Mass. Inst. of Tech., Cambridge, Mass.
- WARNER, Irving (Junior, 1912), Plant Mgr., Charles Warner Co., and 1016 Rodney St., Wilmington, Del.
- WARNER, Jacob L. (1917), Asst. Engr., E. I. du Pont de Nemours & Co., du Pont Bldg., and *for mail*, 1017 Shallcross Ave., Wilmington Del.
- WARNER, Robert L. (1899), Banker, Warner, Tucker & Co., 50 Congress St., Boston, and Elm St., Concord, Mass.
- WARNER, Worcester R. (1880), V. P., The Warner & Swasey Co., Cleveland, O., and Wilson Park, Tarrytown, N. Y.
- WARR, William (1915), Engr., Interntl. Conveyor Corp'n., 50 E. 42nd St., New York, N. Y., and *for mail*, 558 Park Ave., East Orange, N. J.
- WARREN, Aldred K. (1912), Mfg. Engr., Genl. Elec. Co., West Lynn and *for mail*, 12 Summer St., Salem, Mass.
- WARREN, Ambrose G. (1907), Genl. Supt., J. W. Parson Co., 1021 N. Delaware Ave., Philadelphia, Pa., and *for mail*, Beverly, N. J.
- WARREN, George S. (1912), Ch. Engr., Sharon Steel Hoop Co., and *for mail*, 2 Euclid Ave., Sharon, Pa.
- WARREN, John B. (Associate-Member, 1914), Secy., Genl. Mgr., Taconv Ord. Corp'n., and Pres., Tacony Steel Co., 50 Church St., New York, N. Y., and *for mail*, 127 Jewett Ave., Jersey City, N. J.
- WARREN, Kenneth L. (1907), Cons. Engr., Fraserville, Que., Canada.
- WARREN, Ralph H. (1913), Economy Engr., Alpha Portland Cement Co., First Natl. Bank Bldg., and 625 Meixell St., Easton, Pa.
- WARREN, Ralph L. (1917), Genl. Mgr., Warren Bros. Co., 142 Berkeley St., Boston., and 79 Fountain St., West Newton, Mass.
- WARREN, Walter B. (1901; 1914), V. P., Warren Bros. Co., 711 Journal Bldg., Portland, Ore.
- *WARREN, William H. (Junior, 1917), Corp., Regimental Scouts, Headquarters Co., 340th F. A. N. A., Camp Funston, Kan., and Glendora, Cal.
- WARRINGTON, James N. (1884; 1885), 1820 Taft Ave., Los Angeles, Cal.
- WARRINGTON, Jesse (1887), 271 N. Randolph St., Indianapolis, Ind.
- WARTENWEILER, Otto (1913), Mgr., Otto Wartenweiler & Co., Hollingsworth Bldg., and 955 Westchester Pl., Los Angeles, Cal.
- WASHBURN, John E. (Associate-Member, 1915), E. E., Natl. Carbon Co., Cleveland, and *for mail*, 1523 Ridgewood Ave., Lakewood, O.
- WASHBURN, William S. (1891), Whitman & Keith Co., 20 Clifton Ave., and *for mail*, 1363 Main St., Campello Sta., Brockton, Mass.
- WASHINGTON, Dixon E. (1910), Mgr., Ch. Engr., Packers Architectural & Engrg. Co., 1209 Manhattan Bldg., Chicago, Ill.
- WASON, Leonard C. (1916), Pres., Aberthaw Constr. Co., 27 School St., Boston, and 1530 Beacon St., Brookline, Mass.
- WATERMAN, Fred W. (1912), Mgr., Gary Tube Co., Lorain, and *for mail*, 116 Broad St., Elyria, O.

- WATEROUS, Charles A. (1916), Asst. Mgr., Waterous Eng. Wks. Co., Ltd., Brantford, and 71 Lorne Screscent, Ont., Canada.
- WATERS, D. Vaughn (Junior, 1917), Mch. Designer, Gould & Eberhardt, Irvington, and *for mail*, 1153 Mary St., Elizabeth, N. J.
- *WATERS, Everett O. (Junior, 1915), 2nd Lieut., Ord. Sec., O. R. C., Instr. Mch. Design, S. S. S., Yale Univ., Winchester Hall, and *for mail*, 1016 Yale Sta., New Haven, Conn.
- WATERS, George H. (1901), Pres., Geo. H. Waters Co., 2929 Richmond Terrace, Mariner Harbor, S. I., and 345 Bement Ave., West New Brighton, S. I., N. Y.
- WATERS, William L. (1909), Designing Engr., Westinghouse Elec. & Mfg. Co., and *for mail*, University Club, Pittsburgh, Pa.
- WATKINS, Arthur M. (Associate, 1917), Secy., Treas., Inter-Continental Mch. Corp'n., 165 Broadway, New York, N. Y., and 59 Forest Ave., Glen Ridge, N. J.
- WATKINS, Edward G. (1915), Pres., Simplex Time Recorder Co., and *for mail*, 141 Chestnut St., Gardner, Mass.
- WATKINS, Frank E. (1911), Wks. Mgr., Canadian Fairbanks-Morse Co., Ltd., 1379 Bloor St., W., and Apt. 36, Parkview Mansions, West Toronto, Ont., Canada.
- WATSON, Frank (Junior, 1893), New Hartford, Conn.
- WATSON, Henry D. (1897; 1900), 64th St. and West End Ave., New York, and 136 E. 19th St., Flatbush, Brooklyn, N. Y.
- WATSON, Herbert L., (Junior, 1907), Genl. Sales Mgr., De Laval Steam Turbine Co., Trenton, N. J.
- WATSON, J. Edward (Junior, 1915), Asst. Power Engr., The Barrett Co., Chem. Dept., and *for mail*, 412 W. Wellens Ave., Philadelphia, Pa.
- WATSON, Ralph B. (1914), Engr. of Tests, Erie R. R., and *for mail*, 662 Baldwin St., Meadville, Pa.
- WATSON, W. W. (Junior, 1917), Asst. to Genl. Mgr., Anderson Forge and Mch. Co., and *for mail*, 443 Bewick Ave., Detroit, Mich.
- WATT, Harold W. (Associate-Member, 1917), Engr. Elec. Distribution, Westchester Lighting Co., and 137 Washington St., Mt. Vernon, N. Y.
- WATT, James (1916), M. E., Krehbiel Co., 1712 Marquette Bldg., and *for mail*, 2240 West 113th St., Chicago, Ill.
- WATTLES, Joseph W., 3d (Junior, 1910), Commer. Engr. Sales Dept., Edison Elec. Ill. Co. of Boston, 39 Boylston St., Boston, Mass.
- WATTS, George W. (1903; 1904), Wks., Mgr. Canadian Genl. Elec. Co., 212 King St., and *for mail*, 1 Beaumont Rd., Toronto, Ont., Canada.
- WAUGH, Orlo L. (Junior, 1912), Production Mgr., The Crown Cork & Seal Co., and 52 Ernseliffe Apt., Toronto, Ont., Canada.
- WEAGER, Theodore A. (Junior, 1912), Engr., Mgr. Cleveland Office, Buffalo Forge Co., Rockefeller Bldg., and 1875 E. 101st St., Cleveland, O.
- WEAR, Burt C. (Junior, 1905), Estimator, Gary Tube Co., Lorain, and *for mail*, P. O. Box 174, Elyria, O.
- WEAVER, Gilbert G. (Junior, 1916), Dir. Industrial Dept., York High School, 102 S. Duke St., York, Pa.
- WEAVER, William G. (Associate-Member, 1915), Lecturer M. E., South African College, Cape Town, S. A.
- WEBB, Clifford L. (Associate-Member, 1916), Sales Engr., Henry R. Worthington, 820 Old Colony Bldg., Chicago, Ill.
- WEBB, Thomas M. (Associate-Member, 1917), Ch. Draftsman, Grant Hammond Mfg. Corp., Grant St., New Haven, and *for mail*, 217 Pacific St., Bridgeport, Conn.
- WEBBER, Henry (1886), M. E., Finch Mfg. Co., Scranton and *for mail*, 125 Harper St., Dunmore, Pa.

- WEBBER, Samuel S. (1880), Life Member; Manager, 1902-1905; Charlestown, N. H.
- WEBER, August, Jr. (1916), V. P. Weber Elec. Co., and 1 Stratford Rd., Schenectady, N. Y.
- WEBER, Erwin L. F. (1910; 1914; 1916), Cons. Domestic Engr., 723-724 Seaboard Bldg., and 206 W. McGraw St., Seattle Wash.
- WEBER, Geo. A. (Associate, 1896), 71 Cortland Ave., Stamford, Conn.
- WEBER, H. Hamilton (Junior, 1917), Lubricating Salesman, Tex. Oil Co., 17 Battery Pl., New York, N. Y., and *for mail*, 22 N. 9th St., Easton, Pa.
- *WEBER, John (Associate-Member, 1916), Lieut., General Engineer Depot, U. S. A., 4413 15th St., N. W., Washington, D. C.
- WEBER, O. L. E. (1895; 1905), Genl. Mgr., Watab Pulp & Paper Co., Sartell, Minn.
- WEBER, Peter (1913), Pres., Sloan & Chace Mfg. Co., 6th Ave., and 13th St., Newark, N. J.
- WEBNER, Frank E. (Associate, 1917), Frank E. Webner & Co., 153 N. La Salle St., and 2315 Commonwealth Ave., Chicago, Ill.
- WEBRE, Alfred L. (1916), M. E., E. B. Badger & Sons Co., 75 Pitts St., Boston, and 7 Yale St., Winchester, Mass.
- WEBSTER, Fred L. (1912), Mgr. Chi. Office, Allis-Chalmers Mfg. Co., 2020 Peoples Gas Bldg., and 1130 No. Shore Ave., Chicago, Ill.
- WEBSTER, Frederick A., Jr. (Junior, 1917), Foreman, Inspec. Dept., Standard Oil Co., Richmond, Cal.
- WEBSTER, George A. (1914), Supt., Star Brass Mfg. Co., 1083 Dedham St., Boston, and *for mail*, Acton, Mass.
- WEBSTER, Harry D. (1917), M. E., Bessemer & Lake Erie R. R. Co., and *for mail*, 99 Clinton St., Greenville, Pa.
- WEBSTER, Hosea (1883), Sales Mgr., Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., and *for mail*, Montclair, N. J.
- WEBSTER, Joseph S. (1916), M. E., New Haven Boiler Wks., New Haven, and 196 Centre St., West Haven, Conn.
- *WEBSTER, Lawrence B. (1910; Associate-Member, 1914), Capt. O. D., Inspec. of Ord., U. S. R., The Bartlett Hayward Co., Baltimore, Md., and 926 S. Washington St., Marion, Ind.
- WEBSTER, Towner K., Jr. (1917), V. P., Webster Engrg. Co., Ch. Engr., Am. Steam Conveyor Corp'n., 326 W. Madison St., Chicago, Ill.
- WEBSTER, Warren (Associate, 1903), Pres., Warren Webster & Co., Point & Pearl Sts., and 626 Cooper St., Camden, N. J.
- WEBSTER, William Ralph (1911), Asst. Ch. Engr., Cambria Steel Co., Johnstown, and *for mail*, 44 Erie St. Westmont, Johnstown, Pa.
- WEBSTER, William R. (1889), Cons. and Inspec. Engr., 411 Walnut St., Philadelphia, Pa.
- WEBSTER, William Reuben (1893; 1907), V. P., Bridgeport Brass Co., and *for mail*, 208 Brooklawn Ave., Bridgeport, Conn.
- WEEKS, Paul (1905; 1911), Holt Mfg. Co., and *for mail*, 1045 N. Madison St., Stockton, Cal.
- WEGENER, Francis A. (Junior, 1915), Works Engr., Welsbach Co., and *for mail*, 842 Monmouth St., Gloucester, N. J.
- WEGG, David S., Jr. (1909; Associate-Member, 1914), Mgr., Telluride Realty Co., 710 Walker Bank Bldg., and 1280 E. South Temple St., Salt Lake City, Utah.
- WEGNER, Arnold A. (Associate-Member, 1917), care of Ben Wegner, 206 Forest St., Wausau, Wis.
- WEHNER, Lewis (1901; 1907), Ch. Engr., Pawling & Harnischfeger Co., 38th St. and National Ave., and *for mail*, University Club, Milwaukee, Wis.

- WEICHERT, Arnold E. (1907), Engr., The Combustion Engrg. Corp., 11 Broadway, New York, N. Y., and *for mail*, 54 Cleveland Terrace, Bloomfield, N. J.
- WEICK, Charles W. (1901), Prof. Teachers College, Columbia Univ., and 507 W. 124th St., New York, N. Y.
- WEICKEL, Henry (1889), Cons. Engr., Pawling & Harnischfeger Co., 38th St., and National Ave., and *for mail*, 377 21st Ave., Milwaukee, Wis.
- WEIDENBACKER, Robt. W. (Junior, 1912), Designer, The Baldwin Loco. Works, 500 No. Broad St., Philadelphia, and *for mail*, Haverford, Pa.
- WEIDNER, Paul G. (1912), Asst. Supt. Gasoline Pts., Stand. Oil Co. of Indiana, and Box 548, Drumwright, Okla.
- WEIGEL, Albert C. (Associate-Member, 1914), East. and Export Mgr., Walsh & Weidner Boiler Co., 17 Battery Pl., New York, N. Y.
- WEIGEL, Rothe (Junior, 1917), M. E., La Follette Coal & Iron Co., and *for mail*, Box 244, La Follette, Tenn.
- WEILER, Rudolph B. (Associate-Member, 1916), Wks. Mgr., The Sharples Separator Co., and *for mail*, 138 E. Washington St., West Chester, Pa.
- WEIN, Charles V. (Associate-Member, 1917) Constr. & M. E., Macdonald Engrg. Co., 949 Monadnock Block, and *for mail*, 1640 N. La Salle St., Chicago, Ill.
- *WEINBERG, George S. (1901; 1907), Maj., E. O. R. C.; Cons. Mining Engr., Rm. 2817, 120 Broadway, and 404 Riverside Drive, New York, N. Y., and Craftsman Farms, Morris Plains, N. J.; also, Mgr. Worthington Pump Co., Ltd., Nevsky 6, Petrograd, Russia.
- WEINSHANK, Theodore (1906), Genl. Mgr., Warren Webster & Co., 821 Hume-Mansur Bldg., and 2341 N. Delaware St., Indianapolis, Ind.
- WEINTZ, Louis J. (Junior, 1912), Mill Supt., The N. J. Zinc Co., Ogdensburg, Sussex Co., N. J.
- WEISS, Carl W. (1912), V. P. & Engr., Weiss Oil Eng. Co., 17 Battery Pl., New York, and *for mail*, 933 Westminister Rd., Brooklyn, N. Y.
- WEISS, Herbert A. (Junior, 1915), Asst. Prof. Drawing, Ga. Sch. of Tech., and 19 W. Linden St., Atlanta, Ga.
- WEISS, Louis T., Jr. (Junior, 1913), Mgr., Louis T. Weiss, 286 Taaffe Pl., and *for mail*, 1224 Ave. I, Brooklyn, N. Y.
- *WELCH, James B. (Associate-Member, 1916), Asst. Shop Supt. Hull Div., U. S. Navy Yard, and *for mail*, 1421 Arch St., Philadelphia, Pa.
- WELCH, Leon C. (1913), Ch. Engr., The Midwest Refining Co., Casper, Wyoming.
- WELCHANS, Bertram G. (1914), Genl. Supt., Stanley G. Flagg & Co., and *for mail*, 886 High St., Pottstown, Pa.
- WELD, Alfred O. (1913), Treas. & M. E., George A. Weld Co., 79 Milk St., Boston, and *for mail*, Myrtle Terrace, Winchester, Mass.
- WELD, Lydia G. (Associate-Member, 1916), Lancaster, Cal.
- *WELFORD, P. G. (Junior, 1915), Gunner, Canadian Field Artillery, and *for mail*, 16 Bernside St., Upper Montclair, N. J.
- WELLES, Edward R. (1916), M. E., The J. G. White Engrg. Corp., 43 Exchange Pl., New York, and 1224 Dean St., Brooklyn, N. Y.
- *WELLING, Lindsay H. (Junior, 1916), Ord. Reserve, N. A., and *for mail*, 74 E. 54th St., New York, N. Y.
- WELLINGTON, J. W. (1912), Pres., Matthew Engrg. Co., cor Monroe and King St., Sandusky, O.
- WELLMAN, Samuel T. (1881), Life Member; E. 90th St., Cleveland, O.

- WELLONS, Charles M. (Junior, 1916), Insp. U. S. Engrs. Office, P. O. Bldg., Wheeling, and *for mail*, Stratford Springs Hotel, Woodsdale, W. Va.
- *WELLS, Albert E. (1912), Maj., 121st Inf., U. S. A., Prof. Mch. Constr., Supt. of Shops, Sibley College, Cornell Univ., Ithaca, N. Y.
- WELLS, Clement (1916), V. P., Sarco Co., Inc., Woolworth Bldg., and *for mail*, 509 W. 121st St., New York, N. Y.
- WELLS, Edward C. (1904), V. P., Genl. Mgr., The Platt Iron Wks. Co., and *for mail*, 40 W. Miami Blvd. Dayton, O.
- WELLS, Frank O. (1903), Pres., Greenfield Tap and Die Corp'n, and *for mail*, Box 334, Greenfield, Mass.
- WELLS, Frederick L. (1892), 101 S. Clinton St., Chicago, Ill.
- WELLS, G. A. (1905), Fair Oaks Farm, Darien, Conn.
- WELLS, Herbert E. (Associate-Member, 1917), Supt. Tool Div., Remington Arms, U. M. C. Co., and *for mail*, 728 William St., Bridgeport, Conn.
- WELLS, J. Barnard (Junior, 1909), Salesman, Morgan-Gerrish Co., 501 Sixth St., S., Minneapolis, Minn.
- WELLS, J. Leland (1885), Cons. Engr., 1328 Broadway, New York, and *for mail*, Amityville, L. I., N. Y.
- WELLS, James H. (1904), Mem. of Firm, Clinton & Russell, 32 Nassau St., New York, N. Y.
- WELLS, Robert G. (1909), Works Mgr., The Steel Co. of Canada, Ltd., and 17 Inglewood Drive, Hamilton, Ont., Canada.
- WELLS, Walter F. (1914), V. P. & Genl. Mgr., Edison Elec. Ill. Co. of Brooklyn, 360 Pearl St., Brooklyn, N. Y.
- WELLS, William H. (1914), Supt., M. E., The George W. Blabon Linoleum Co., Nicetown, Philadelphia, and *for mail*, 121 E. Cliveden Ave., Germantown, Philadelphia, Pa.
- WELSH, Milford G. (Associate-Member, 1917), Supt., Mohawk Gas Co., 511 State St., and *for mail*, 13 Springfield Ave., Schenectady, N. Y.
- WENDLAND, Charles F. (1914), Pres., Cons. Engr. & Mgr., C. F. Wendland Engrg. & Constr. Co., 63 Wooster St., New York, and 1184 Brooklyn Ave., Brooklyn, N. Y.
- WENDLE, George E. (1913), Asst. Genl. Mgr., Lycoming Edison Co., P. O. Box 424, Willow and West Sts., and 855 Louisa St., Williamsport, Pa.
- WENDT, Henry W. (1912), V. P., Treas., Buffalo Forge Co., 490 Broadway, and 633 Lafayette Ave., Buffalo, N. Y.
- WENTWORTH, Reginald A. (1911; 1913), Supt., Saco-Lowell Shops, and 73 Mansur St., Lowell, Mass.
- WENZLIK, Richard H. (Junior, 1916), Mech. & Arch. Engr., Houchin-Aiken Co., Inc., 113-123 Fifty-third St., and *for mail*, 627 Wythe Ave., Brooklyn, N. Y.
- WERNER, Philip J. (Junior, 1915), U. S. Insp., The Panama Canal, Washington, D. C., and *for mail*, 5416 Trinity Pl., Philadelphia, Pa.
- WERST, Charles W. (1909), Asst. Gen. Supt., Baldwin Loco. Wks., 500 N. 15th St., and *for mail*, 4516 Osage Ave., Philadelphia, Pa.
- WESCHE, Bjarne A. (1917), Owner, B. A. Wesche Elec. Co., 327 E. 6th St., Cincinnati, O.
- WESCHLER, George A. (1916), Assoc. Prof. M. E., The Catholic Univ. of Am., and *for mail*, 1243 Monroe St., N. E., Washington, D. C.
- WESCOTT, William P. (1910), Managing Dir., Galena-Signal Oil Co., Ltd., Broadway Court, Broadway, Westminster, London, S. W., and 122 Bromley Rd., Beckenham, Kent, England.
- WESSON, Paul B. (1912), Mech. Supt., Wright Wire Co., and *for mail*, 11 Holbrook St., Palmer, Mass.

- WEST, Ernest H. (Associate, 1917), Asst. Treas., Geo. H. Morrill Co., and *for mail*, 100 Lincoln St., Norwood, Mass.
- WEST, G. Alvin (Junior, 1917), Draftsman-Designer Wilmington Shops, Philadelphia, Baltimore & Washington R. R. Co., Wilmington, Del., and *for mail*, Port Deposit, Md.
- WEST, Oscar J. (1917), Sales and Cons. Engr., 457 Peoples Gas Bldg., Chicago, and 780 Greenwood Ave., Glencoe, Ill.
- WEST, Ralph H. (1916), Pres., Genl. Mgr., West Steel Casting Co., 805 E. 70th St., and 483 Eddy Rd., Cleveland, O.
- WEST, Walter C. (Junior, 1912), Mech. Expt., Galena-Signal Oil Co., and *for mail*, Linwood and Paseo Blvd., Kansas City, Mo.
- WESTBROOK, James R. (Junior, 1916), Mech. Draftsman, Westinghouse Air Brake Co., and *for mail*, 324 Welsh Ave., Wilmerding, Pa.
- WESTCOTT, Arthur L. (1913), Supt. Bldgs., Univ. of Mo., and *for mail*, 1402 Windsor St., Columbia, Mo.
- WESTCOTT, Harry R. (1916), Pres., Westcott & Mapes, 207 Orange St., New Haven, Conn.
- WESTCOTT, Henry P. (1913), Engr. Natural Gas Constr. Wk., Metric Metal Wks., Erie, Pa.
- WESTCOTT, Valorus S. (1910), Mech. Supt., J. & P. Coats, Inc., 366 Pine St., and *for mail*, 644 Main St., Pawtucket, R. I.
- WESTERFIELD, George S. (Junior, 1903), Dist. Mgr., Hooven Owens, Rentschler Co., Warren Webster & Co., 323 Chronicle Bldg., Houston, Tex., and 326 Hennen Bldg., New Orleans, La.; also, 229 Westmoreland St., Houston, Tex.
- WESTERVELT, Nelson H. (Junior, 1917), Sales Promotion Dept., Norton Co., and *for mail*, 60 Fruit St., Worcester, Mass.
- *WESTERVELT, W. I. (1916), Major, U. S. A., Am. Exped. Forces, France.
- WESTINGHOUSE, H. Herman (1884), Life Member; Chairman, Westinghouse Air Brake Co., 165 Broadway, and "The Belnord," 86th St. and B'way, New York, N. Y.
- WESTLAKE, Charles T. (1910), Ch. M. E., Commonwealth Steel Co., Pierce Bldg., and 4551 McPherson Ave., St. Louis, Mo.
- WESTLIN, Carl T. (1913), Mgr., Universal Elec. Co., "Hobbs Bldg.," Mulberry & Oliver Sts., Newark, and *for mail*, 501 Devon St., Arlington, N. J.
- WESTON, Burt H. (Associate-Member, 1916), Cons. Engr., 402 Commercial Bld., Dayton, O.
- WESTON, Edward (1882), Pres., Weston Elec. Instrument Co., Waverly Park, Newark, and No. Avenue, Elizabeth, N. J.
- WESTON, Samuel C. (Associate-Member, 1916), Supt., Bayles Shipyards, Inc., and High St., Port Jefferson, L. I., N. Y.
- WESTWATER, Andrew (1916), Ch. Engr., G. M. Standifer Constr. Corp'n, and 604 E. 28th St., Vancouver, Wash.
- WETMORE, Wade L. (1916), M. E., Granby Consld. Mining, Smelting & Power Co., Ltd., Anyox, B. C., Canada.
- WEYMOUTH, C. R. (1904; 1907), Ch. Engr., Chas. C. Moore & Co., Engrs., Sheldon Bldg., San Francisco, and 2733 Ashby Ave., Berkeley, Cal.
- WEYMOUTH, Thomas R. (1910), Ch. Engr., United Natural Gas Co., 308 Seneca St., and 117 W. 3d St., Oil City, Pa.
- WHALEY, W. B. Smith (1918), Cons. Engr., Am. Whaley Eng. Co., 136 Federal St., Boston, Mass.
- WHAREN, George B. (Associate-Member, 1914), Instr. M. E., Exper. Engrg., T. S., Univ. of Pa., and *for mail*, 646 S. 57th St., Philadelphia, Pa.
- WHARTON, James R. (1914), Chairman, Dept. of M. E., Univ. of Mo., 110 Engrg. Bldg., and *for mail*, "Westwood," Columbia, Mo.

- WHEATLEY, Arthur W. (1915), Pres., Lima Loco. Corp., Lima, O.
- WHEATLEY, George S. (Junior, 1910), Secy. to V. P., Midvale Steel Co., 1614 Widener Bldg., and 5311 Angora Terrace, Philadelphia, Pa.
- WHEELER, Charles A. (1917), Prof. and Engr. Conn. Agricultural College, Storrs, Conn.
- WHEELER, Charles Van C. (1906), 1609 16th St., N. W., Washington, D. C.
- WHEELER, Clifton H. (1901), V. P., Genl. Mgr., C. H. Wheeler Mfg. Co., Lehigh Ave. and 18th St., Philadelphia, Pa.
- WHEELER, Clifton H., Jr. (1913), C. H. Wheeler Mfg. Co., Lehigh Ave. and 18th St., Philadelphia, Pa.
- WHEELER, Frank G. (Junior, 1913), Mech. Engr., The Miehle Ptg. Press & Mfg. Co., 14th and Robey Sts., Chicago, and 218 Pleasant St., Oak Park, Ill.
- WHEELER, Frank R. (1909), Dist. Mgr., C. H. Wheeler Mfg. Co., 1322 Marquette Bldg., Chicago, Ill.
- WHEELER, Fred B. (Junior, 1914), Instr., N. C. Agri. and Mech. College, West Raleigh, N. C.
- WHEELER, Schuyler S. (1899), Pres., Crocker-Wheeler Co., Ampere, and res., Bernardsville, N. J.
- WHEELER, Seth (1894), Pres., A. P. W. Paper Co., Albany, and Castleton, N. Y., and 246 Lark St., Albany, N. Y.
- WHEELER, Wm. H. (Associate-Member, 1917), Austin Baldwin & Co., 44 Whitehall St., New York, and V. P., Genl. Mgr., Alignum Fireproof Products Co., and 344 W. 72nd St., New York, N. Y.
- WHEELER, William T. (1905), 240 E. 37th St., and 340 W. 21st St., New York, N. Y.
- WHEELHOUSE, Sidney H. (Associate, 1914), Mgr. Gas Furnace Dept., Columbus Htg. & Vent. Co., and 1005 E. Long St., Columbus, O.
- WHELAN, William R. F. (1915), Inspr. Steam Plants, Internatl. Paper Co., 30 Broad St., New York City, and 147 Main St., So. Glens Falls, N. Y.
- WHILDIN, William G. (1912), Mining Supt., Lehigh Coal & Navigation Co., Lansford, Pa.
- *WHIPPLE, C. Earl (1912), Capt., E. O. R. C., Genl. Mgr., Treas., N. Y. Central Iron Wks. Co., Hagerstown, Md.
- WHIPPLE, George F. (Associate, 1917), 44 Harvard Ave., Boston, Mass.
- WHIPPLE, William (1905; 1916), Supt., Cinclare Central Factory, Cinclare, La.
- WHITACRE, Robert B. (Associate, 1913), Senior Partner, R. B. Whitacre & Co., 205 S. Robert St., and *for mail*, 1761 Summit Ave., St. Paul, Minn.
- WHITAKER, Henry E. (1891; 1904), M. E., Parke, Davis & Co., and *for mail*, 146 W. Hancock Ave., Detroit, Mich.
- WHITAKER, Richard V., Jr. (Associate-Member, 1914), Supt., Neverslip Mfg. Co., New Brunswick, N. J.
- WHITCRAFT, Arthur (1917), Sales Engr., American Manganese Steel Co., 735 Oliver Bldg., Pittsburgh, Pa.
- WHITE, Alfred D. (Associate-Member, 1915), Mgr., New York Office Economy Engrg. Co., 85 Murray St., and 356 Convent Ave., New York, N. Y.
- WHITE, D. McCall (1915), V. P., The Cadillac Motor Car Co., and *for mail*, 244 Virginia Park, Detroit, Mich.
- WHITE, E. Field (Associate-Member, 1913), Ch. Efficiency Engr., Charge of Planning, Chalmers Motor Co., and *for mail*, 2316 E. Jefferson Ave., Detroit, Mich.
- WHITE, Edward F. (1891), Pres., Rutland Mfg. Co., Inc., Rutland, Vt.

- WHITE, Harold C. (1916), Genl. Factory Mgr., The Holt Mfg. Co., Stockton, Cal., and Peoria, Ill., and 1045 W. Willow St., Stockton, Cal.
- WHITE, Harold E. (1915), Controller Engr., Crocker-Wheeler Co., Ampere, and *for mail*, 4 Norman Rd., Upper Montclair, N. J.
- WHITE, Herbert J. (1909), M. E., 181 8th Ave., Brooklyn, N. Y.
- WHITE, J. W. Huyler (Junior, 1917), First Asst. Ch. Engr., The Am. Sugar Refining Co., Washington and Essex St., and *for mail*, 317 Fairmount Ave., Jersey City, N. J.
- WHITE, John C. (1906; 1911), State Power Plant Engr., 624 E. Main St., Madison, Wis.
- WHITE, Joseph J. (1880), Pres., Joseph J. White, Inc., New Lisbon, N. J.
- WHITE, James A. (Junior, 1900), Ch. Engr., Harrison Radiator Corp'n, and 234 Locust St., Lockport, N. Y.
- WHITE, Kenneth (1916), Belt. Engr., 1838 Peoples Gas Building, and 5465 Hyde Park Blvd., Chicago, Ill.; Rubber Mfg. Co., Passaic, N. J.
- WHITE, Louis E. (Associate, 1916), V. P., & Treas., Gale Mfg. Co., and 105 Irwin Ave., Albion, Mich.
- WHITE, Merton G. (Junior, 1906), Ch. Insp. Airplane Engine Pt., Nor-dyke & Marmon Co., Indianapolis, Ind.
- WHITE, Peter D. (Junior, 1913), Engr., Babcock & Wilcox Co., Bayonne, N. J., and 145 W. 58th St., New York, N. Y.
- WHITE, Walter J. (Associate-Member, 1915), Covina, Cal.
- WHITE, William C. (Junior, 1916), Designer, The Moulton Engrg. Corp., 120 Exchange St., and *for mail*, 33 Turner St., Portland, Me.
- WHITE, Wm. M. (1907), Mgr., Ch. Engr. Hyd. Dept., Allis-Chalmers Mfg. Co., and *for mail*, 747 Summit Ave., Milwaukee, Wis.
- WHITEFORD, James F. (1908), Industrial Engr., 5 Broad St. Pl., London, E. C. 2, England.
- WHITEHEAD, George E. (1887), M. E., Retired, 621 Broadway, Providence, R. I.
- WHITESIDE, Samuel P. (1916), M. E., Alex. Milburn, 1420 W. Baltimore St., Baltimore, Md.
- WHITESIDE, Victor (Junior, 1917), Efficiency Engr., Western Elec. Co., Hawthorne Sta., Chicago, and *for mail*, 2102 S. 50th Ave., Cicero, Ill.
- WHITESIDE, Walter H. (1910), Retired, 537 S. Orange Grove Ave., Pasadena, Cal.
- WHITEHAM, Jay M. (1883), Cons. Engr., 607 Bullitt Bldg., Philadelphia, Pa.
- WHITING, Charles W. (1885; 1895), Cons. Engr., 148 State St., Boston, and 32 Irving St., Cambridge, Mass.
- WHITING, Richard A. (Junior, 1909), Head of Engrg. Dept., Gaston, Williams & Wignore, Inc., 140 Broadway, New York, N. Y., and *for mail*, P. O. Box 253, Oradell, N. J.
- *WHITLEY, Frederic N. (1914), Maj., First Bat., N. Y. Engineers, Engr., Contr., 215 Fulton St., and *for mail*, 1233 Pacific St., Brooklyn, N. Y.
- *WHITLOCK, Elliott H. (1901), Major, C. E. U. S. R., 26th Engr. Regt., Camp Dix, N. J., and 11200 Edgewater Drive, Cleveland, O.
- WHITLOW, Joseph A. (1914), Ch. Dept. Gas, Elec., Heat and Water, Pub. Serv. Com. of Mo., and *for mail*, Jefferson City, Mo.
- WHITNEY, Amos (1913), Secy., Treas., The Whitney Mfg. Co., and *for mail*, 568 Farmington Ave., Hartford, Conn.
- WHITNEY, Charles S. (Associate-Member, 1916), Executive Supt., Genl. Accident Fire & Life Assurance Corp., 421½ Walnut St., Philadelphia, and 22 Cricket Ave., Ardmore, Pa.
- WHITNEY, Clarence E. (1911), Pres., Genl. Mgr., The Whitney Mfg. Co., and 226 Kenyon St., Hartford, Conn.

- *WHITNEY, Herbert A. (1916), Asst. Bat. Com., C. A., U. S. A., Ch. Engr., Shaw-Batches Ship Bldg. Co., So. San Francisco, and Hampton Court Apts., San Francisco, Cal.
- WHITNEY, Leslie D. (Junior, 1913), V. P., Leslie Salt Refining Co., 544 Market St., San Francisco, and San Mateo, Cal.
- WHITNEY, William F. (1913), Ch. Engr., Ansonia Branch, The Am. Brass Co., Main St., and *for mail*, 47 Franklin St., Ansonia, Conn.
- WHITNEY, Wm. M. (Associate, 1886), Winchendon, Mass.
- WHITNEY, William S. (1911), Supervising Engr., Am. Woolen Co., Boston, and *for mail*, 177 E. Haverhill St., Lawrence, Mass.
- WHITON, Herbert S. (1915), Supt., Mfr., The Minneapolis Genl. Elec. Co., 15 S. 5th St., and 4901 Vincent Ave., S. Minneapolis, Minn.
- WHITON, Lucius E. (1905), Mgr., M. E., D. E. Whiton Mch. Co., 190 Howard St., and *for mail*, 71 William St., New London, Conn.
- *WHITTED, Thomas B. (1900; 1903; 1909), Capt., E. O. R. C., M. E., 1100 Realty Bldg., and 820 E. Blvd., Charlotte, N. C.
- WHITTEMORE, Herbert L. (1903; 1910), Assoc. Engr.-Physicist, Bureau of Standards, Washington, D. C., and *for mail*, 4 Oxford St., Chevy Chase, Md.
- WHITTIER, Charles R. (1909), Engr., Butterworth-Judson Corp'n, Newark, N. J., and *for mail*, 1111 Amsterdam Ave., New York, N. Y.
- WHITTLESEY, James T. (1907), Cons. Engr., Claus Spreckels Bldg., San Francisco, and 2249 Predmont Ave., Berkeley, Cal.
- WHYTE, Frederic M. (1902), Vice-President, 1908-1910; V. P., Hutchins Car Roofing Co., 103 Park Ave., New York, and *for mail*, 14 Benedict Ave., Tarrytown, N. Y.
- *WHYTE, Jessel S. (Junior, 1917), Capt., Co. F, 310th Engrs., Camp Custer, Battle Creek, Mich., Secy., Supt., Macomber & Whyte Rope Co., Kenosha, Wis.
- WHYTE, John S. (1902), M. E., Dominion Coal Co., Ltd., Glace Bay, N. S., Canada.
- WICHUM, Victor (Associate-Member, 1916), Sales Engr., C. J. Tagliabue Mfg. Co., 904 Old South Bldg., Boston, and 9 Fairfield St., Cambridge, Mass.
- WICKERSHAM, Nathan R. (1907), Supt., Ingersoll-Rand Co., Painted Post, and 106 E. 5th St., Corning, N. Y.
- WIDDICOMB, R. A. (1898; 1906), Engr., The Gables, 5647 Kenmore Ave., Chicago, Ill.
- *WIEBER, George A. (Junior, 1915), Corp., O. E. R. C., U. S. A., and *for mail*, 86 Hooper St., Brooklyn, N. Y.
- WIEDEMANN, Frank R. (Junior, 1914), Weber Elec. Co., and *for mail*, 231 Seward Pl., Schenectady, N. Y.
- *WIELAND, Charles F. (1901), Capt. O. R. C., U. S. A., Manila Ord. Depot, Manila, P. I., and Cons. Engr., 1803 Claus Spreckels Bldg., San Francisco, Cal.
- WIESE, Oscar H. (Junior, 1916), Designer, Baltimore Oil Eng. Co., and 2918 McElderry St., Baltimore, Md.
- WIGGERS, John (Junior, 1917), Ch. Engr., Moreland Motor Truck Co., 1701 N. Main St., and *for mail*, 605 Plymouth St., Los Angeles, Cal.
- WIGHT, Harry C. (Associate-Member, 1917), Genl. Supt. Div. of Water, City of Dayton, care of Dayton Water Wks., and *for mail*, 132 E. Monument Ave., Dayton, O.
- *WIGHTMAN, George A. (Junior, 1916), Sgt., Ambulance Co. 333, 309th Sanitary Train, Camp Zackary Taylor, Louisville, Ky., and *for mail*, 635 Summer St., Kalamazoo, Mich.
- WIGHTMAN, George H. (1916), M. E., Gorham Mfg. Co., Providence, R. I.

- WIGREN, Clarence F. (Junior, 1915), M. E., Tank Ship Bldg. Corp'n, 120 B'way, New York, N. Y., and *for mail*, 157 Sherman St., Passaic, N. J.
- WIKLE, James T. (1917), Purchasing Agt., M. E., Fulton Bag & Cotton Mills, and *for mail*, 27 Rosedale Rd., Atlanta, Ga.
- WIKSTROM, Malcolm U. (1915), Genl. Supt., Pittsburgh Steel Products Co., Monessen, Pa.
- *WILBER, Dana W. (1916), Capt., 24th Engrs., E. O. R. C., Camp Dix, N. J., Asst. Engr., S. Firestone, 1003 Granite Bldg., Rochester, N. Y.
- *WILBUR, R. L. (Junior, 1917), 1st Lieut., Ord. R. C., U. S. A., Off. of Insp. of Ord., Am. Car & Fdy. Co., Detroit, Mich., and 515 Delaware Ave., South Bethlehem, Pa.
- WILBUR, Ralph S. (1912; Associate-Member, 1916), Ford Instrument Co., Inc., 80 Lafayette St., New York, N. Y.
- WILBUR, Ralston T. (Associate, 1907), Cons. M. E., P. O. Box 566, Spokane, Wash.
- WILCOX, C. C. (1905; 1915), Asst. to Cons. E. E., Hodenpyl, Hardy & Co., Commonwealth Bldg., and 120 Homecrest Rd., Jackson, Mich.
- WILCOX, Herbert M. (Junior, 1912), Industrial Engr., Winchester Repeating Arms Co., and 153 Livingston St., New Haven, Conn.
- WILCOX, Joseph, Jr. (1913; Associate-Member, 1916), 115 Lincoln St., Worcester, Mass.
- WILCOX, Perley S. (1899; 1914) Asst. Mgr. Kodak Park Wks., Eastman Kodak Co., and *for mail*, 84 Beverly St., Rochester, N. Y.
- WILCOX, Ralph M. (1916), C. E., City Engr., Bldg. Insp., Municipal Bldg., Middletown, Conn.
- WILCOX, William F. (1917), Supt. Central Water Wks., Tenn. Coal, Iron & R. R. Co., and 2714 Ensley Ave., Ensley, Ala.
- WILDE, John R. (1915), Ch. Engr. Power Plants, The Detroit Edison Co., 18 Washington Ave., Detroit, and 74 Waverly Ave., Highland Park, Mich.
- WILDE, Robert (1914), Genl. Mgr. Mich. Gear & Engrg. Co., 11-13 Woodbridge St., W., Detroit, Mich.
- *WILDER, Clifton W. (1907), 1st Lieut., E. O. R. C., E. E., Pub. Serv. Com., 120 Broadway, New York, N. Y.
- WILDER, Frank E. (1916), Ch. Draftsman, New Departure Mfg. Co., Bristol, Conn.
- WILDER, Stuart (Associate, 1904), Ch. Elec. Engr., Westchester Ltg. Co., Mt. Vernon, N. Y., and Paine Ave., New Rochelle, N. Y.
- WILDER, Sylvanus W. (1907; 1914), Supt., Dolphin Jute Mills, and *for mail*, 64 17th Ave., Paterson, N. J.
- WILDER, T. Edward (Associate, 1917), Pres., Wilder & Co., 226 W. Lake St., Chicago, and Elmhurst, Ill.
- WILDIN, George W. (1901), Genl. Mgr., N. Y., N. H. & H. R. R., Genl. Office Bldg., and Hotel Taft, New Haven, Conn.
- WILEY, Edgar C. (1903), Cons. Engr., Wiley & Wilson, Peoples Natl. Bank Bldg., and 2477 Rivermont Ave., Lynchburg, Va.
- WILEY, Wm. H. (1880), Pres., John Wiley & Sons, Inc., 432 Fourth Ave., New York, N. Y., and 73 Halsted St., East Orange, N. J.
- *WILFERT, George (Associate-Member, 1917), Capt., Ord. Dept., U. S. R., and *for mail*, 20 N. 4th Ave., Iliou, N. Y.
- WILHELM, Dean B. (1914), Cons. & Main. Dept., Packard Motor Car Co., and *for mail*, 57 Lothrop Ave., Detroit, Mich.
- WILHELM, Edward A. (1912), Ch. Draftsman, Am. Hoist & Derrick Co., and *for mail*, 1049 Van Slyke Ave., St. Paul, Minn.
- WILHELM, John H. (Associate-Member, 1917), Supt., Gang Dept., Frankford Arsenal, and *for mail*, 5004 Griscomb St., Frankford, Pa.
- WILHELM, Capt. Walter M. (1916), V. P., Genl. Mgr., Eddystone Ammunition Corp., Eddystone, Pa.

- WILKE, Erwin L. (Associate-Member, 1917), Supt., Continental Gas Compressing Corp., Linopah, Okla., and *for mail*, 86 Norwood Ave., Buffalo, N. Y.
- WILKE, William (1893), Mech. and Chem. Engr., 86 Norwood Ave., Buffalo, N. Y.
- WILKIE, Donald C. (1911), Poste Restante, Dundee, Scotland.
- WILKIN, John T. (1898), P. & M. E., The Connersville Blower Co., and *for mail*, 905 Grand Ave., Connersville, Ind.
- WILKINS, Charles N. (Junior, 1916), Estimating Engr., Braemer Air Conditioning Corp'n, Lafayette Bldg., Philadelphia, Pa., and *for mail*, 573 Clinton St., Camden, N. J.
- WILKINSON, Cecil T. (Junior, 1908), Cons. Engr., 42 Bank Bldgs., Kingsway, W. C., and *for mail*, 8 Culmington Rd., Ealing, W., London, England.
- WILKINSON, Clarence M. (Associate-Member, 1915), Constr. Engr., Saxon Motor Car Corp., Beaufait & Selvester Sts., Detroit, and *for mail*, Dearborn, Mich.
- WILKINSON, James (1917), Cons. Engr., Genl. Elec. Co., and *for mail*, 20 Union St., Schenectady, N. Y.
- WILKINSON, John (1907), V. P., H. H. Franklin Mfg. Co., and *for mail*, 1065 James St., Syracuse, N. Y.
- WILKINSON, Thomas L. (1894; 1905), Cons. Engr., 406-407 Boston Bldg., and 5833 Montview Blvd., Denver, Colo.
- WILLARD, Frank H. (Associate, 1917), Asst. Genl. Mgr., Dir., Graton & Knight Mfg. Co., 21 Shaffner St., Worcester, Mass.
- WILLARD, Lewis L. (1907; 1910), Genl. Supt., W. J. Rainey Coal & Coke Co., Uniontown, Pa.
- WILLCOX, George B. (1895; 1908), Pres., Genl. Mgr., Willcox Engrg. Co., Willcox Engrg. Co. Bldg., and *for mail*, 900 S. Warren Ave., Saginaw, Mich.
- WILLE, Henry V. (1900), Asst. to V. P., Baldwin Loco. Wks., Cons. Metallurgist, Remington Arms Co. of Del. and Eddystone Ammunition Corp., 500 N. Broad St., and 743 Corinthian Ave., Philadelphia, Pa.
- WILLETT, Francis M. (Junior, 1916), Draftsman, Sayles Finishing Pts., Saylesville, and *for mail*, 31 Ashmont St., Providence, R. I.
- WILLETT, Wallace (1914), 185 N. Arlington Ave., East Orange, N. J.
- WILLETTE, Charles W. (Associate, 1913), Cons. Engr., Lock Box 156, and 1421 15th Ave., Seattle, Wash.
- WILLHOFFT, F. O. (Associate, 1905), Cons. Engr., Mitchell & Willhofft, 110 W. 40th St., and 242 W. 72nd St., New York, N. Y.
- WILLIAMS, Alpheus F. (Associate, 1900), Genl. Mgr., De Beers Consld. Mines, Ltd., P. O. Box 616, and 1 Park Rd., Kimberley, South Africa.
- WILLIAMS, Arthur (Associate, 1915), Genl. Commer. Mgr., The N. Y. Edison Co., Irving Pl. and 15th St., New York, N. Y.
- WILLIAMS, Berkeley (Junior, 1917), Grad. Fellow of M. E. Univ. of Cincinnati, and *for mail*, 2528 Bell Pl., Walnut Hills, Cincinnati, Ohio.
- WILLIAMS, C. Seymour (Associate, 1917), United Gas & Elec. Engrg. Corp'n, 61 Broadway, New York, and Locust St., Lockport, N. Y.
- WILLIAMS, Charles E. (1917), Genl. Mgr., Secy., William L. Gilbert Clock Co., and *for mail*, 261 N. Main St., Winsted, Conn.
- WILLIAMS, Chas. H. (1914), Litchfield, Ill.
- WILLIAMS, D. Curtis (1891), M. E., 664 Maryland Ave., Pittsburgh, Pa.
- WILLIAMS, Edward G. (1916), V. P., The J. G. White Engrg. Corp., 43 Exchange Pl., New York, and 125 Columbia Heights, Brooklyn, N. Y.
- WILLIAMS, Ernest D. (Junior, 1905), Engr., Ship Propulsion Div., Turbine Dept., Genl. Elec. Co., Erie, Pa.

- *WILLIAMS, Fay B. (1912; 1914), 1st Lieut., O. D., U. S. R., Am. Ord. Base Depot in France, and *for mail*, 20 Burr St., Jamaica Plain, Mass.
- WILLIAMS, Frank D. (1913), V. P., Daval & Co., Inc., 17 Battery Pl., New York, and *for mail*, 401 Clinton Ave., Brooklyn, N. Y.
- WILLIAMS, George L. (Junior, 1917), M. E., Charge of Power Pts., Empire Zinc Co., Hanover, New Mex.
- WILLIAMS, George W. (1904; 1907), Mgr., Chapman Eng. & Mfg. Co., Ltd., and Governor's Rd., Dundas, Ont., Canada.
- WILLIAMS, Harvey D. (1912), Wallingford, Conn.
- *WILLIAMS, Harold E. (Associate, 1915), Capt., Field Art., O. R. C., Pres., Ry. Materials Export Corp., 149 Broadway, New York, N. Y., and Ridgewood, N. J.
- *WILLIAMS, Harold J. (1915; Associate-Member, 1917), 1st Lieut. O. D., U. S. R., Field Art. Sec., Carriage Div., 1800 E. St., N. W., and 4415 Iowa Ave., N. W., Washington, D. C.
- WILLIAMS, Howard E. (1895; 1904), Ch. Draftsman, Calumet & Hecla Min. Co., and *for mail*, 1144 Calumet Ave., Calumet, Mich.
- WILLIAMS, Irving (1913), The Cumberland Valley R. R. Co., and *for mail*, 571 Montgomery Ave., Chambersburg, Pa.
- WILLIAMS, Jarvis, Jr. (1916), Wks. Mgr., Bridgeport Wks., Remington Arms Union Metallic Cartridge Co., and *for mail*, 850 Cleveland Ave., Bridgeport, Conn.
- WILLIAMS, Lewis E. (Associate-Member, 1916), Ch. Draftsman, Dredging Div., The Panama Canal, Paraiso, Canal Zone.
- WILLIAMS, Llewellyn (1907), Engr., Shipley Constr. Co., 66 Warren St., Brooklyn, and *for mail*, Hollis Park Blvd., Hollis, L. I., N. Y.
- WILLIAMS, Louis W. (Associate, 1912), Mgr., Union Drawn Steel Co., 460 Washington St., New York, N. Y.
- WILLIAMS, N. N. (1913; Associate-Member, 1914), Cons. Mech., Civil and Elec. Engr., 3216 Prospect St., Kansas City, Mo.
- WILLIAMS, Richard C. (Associate-Member, 1915), Alberger Pump & Cond. Co., Rm. 710, 140 Cedar St., New York, N. Y.
- WILLIAMS, Richard G. (1912; 1916), Spec. Investigator, Norton Co., and *for mail*, 14 Hillcroft Ave., Worcester, Mass.
- WILLIAMS, Samuel C. (Junior, 1917), Asst. to Purchasers, Export Dept., J. P. Morgan & Co., 23 Wall St., New York, N. Y., and *for mail*, 83 Wheeler St., West Orange, N. J.
- *WILLIAMS, Samuel S. (Associate-Member, 1917), Aviation Sec., Signal Reserve Corps, U. S. A., Atlanta, Ga., and *for mail*, 2305 Oakland Ave., Birmingham, Ala.
- *WILLIAMS, Silas (Junior, 1917), 1st Lieut., O. D., O. R. C., Asst. Cutter Engr., N. E. Westinghouse Co., Springfield, and *for mail*, 30 Cochran St., Chicopee Falls, Mass.
- WILLIAMS, Tracy B. (1914), Ch. Draftsman, The Peters Mch. & Mfg. Co., Madison Ave. & W. 74th St., and *for mail*, 1911 E. 87th St., Cleveland, O.
- WILLIAMS, Walter G. (1911), M. E., Henry L. Doherty's Oil Co., First Nat. Bk. Bldg., Bartlesville, Okla.
- WILLIAMS, William E. (1914), Local Engr., Am. Car & Fdy. Co., and *for mail*, 1303 Market St., Berwick, Pa.
- WILLIAMS, William H. (Associate-Member, 1916), Draftsman, Carnegie Steel Co., and *for mail*, 225 Laurel Ave., New Castle, Pa.
- WILLIAMSON, Charles S. (1914), V. P., Mead-Morrison Mfg. Co., and So. Shore Country Club, Chicago, Ill.
- WILLIAMSON, George E. (1906; 1913), Ch. Engr., Strathmore Paper Co., Mittineague, and *for mail*, 74 Forest Park Ave., Springfield, Mass.

- WILLIAMSON, Richard A. (Associate-Member, 1917), Genl. Foreman of Mch. Shop, Aultman & Taylor Mch. Co., and *for mail*, 121 E. Temple Ct., Mansfield, O.
- WILLINK, William A. T. (1912), Sugar Engr., M. H. Treadwell Co., 140 Cedar St., New York, and *for mail*, 100 Elmwood St., Woodhaven, N. Y.
- WILLIS, Edward J. (1895; 1896), Mutual Bldg., Richmond, and Henrico Co., Va.
- WILLISTON, Arthur L. (1896; 1899), Prin., Wentworth Inst., Boston, and *for mail*, 27 Kilsyth Rd., Brookline, Mass.
- WILLISTON, Belvin T. (1905), Wks. Mgr., United Injector Co., 23 Watson St., Boston, and 3 Monmouth St., Somerville, Mass.
- WILLIUS, Gustav, Jr. (1916), Secy., Robinson, Cary & Sands Co., and *for mail*, 961 Portland Ave., St. Paul, Minn.
- WILLOCKS, S. R. (1912), Asst. Sales Engr., United Engrg. & Fdy. Co., 2313 Farmers Bank Bldg., and 5715 Woodmont St., Pittsburgh, Pa.
- WILLS, C. Harold (1909), Ford Motor Co., and *for mail*, 1760 Jefferson Ave., E., Detroit, Mich.
- WILLSON, Frank J. (Junior, 1913), Asst. Supt., R. E. Chapin Mfg. Co., 29 Liberty St., and *for mail*, 15 Norris Ave., Batavia, N. Y.
- WILLSON, Frederick N. (1883), Prof. Descriptive Geom. and Tech. Drawing, Princeton Univ., and *for mail*, Box 63, Princeton, N. J.
- WILMORE, John J. (1893), Dean Sch. of Engrg., Ala. Poly. Inst., Auburn, Ala.
- WILMOT, Russell C. (Associate-Member, 1917), Mfg. Dept., Engr. Am. Tube & Stamping Co., and *for mail*, 633 Clinton Ave., Bridgeport, Conn.
- WILMS, Hermann (Junior, 1914), M. E., 6013 Bartmer Ave., St. Louis, Mo.
- WILSON, Alfred B. (Associate-Member, 1916), Local Commer. Mgr., N. Y. Tel. Co., 307 Park Ave., and 132 Crescent Ave., Plainfield, N. J.
- WILSON, Amvuit L. (Associate, 1916), Engr. of Tests, E. I. du Pont de Nemours & Co., and 3 Spruance Ave., City Point, Va.
- WILSON, B. N. (1904), Prof., M. E., Supt. Mech. Arts, Univ. of Ark., 241 College Ave., Fayetteville, Ark.
- WILSON, Charles E. (1912), Asst. Sales Mgr., Worthington Pump & Mch. Corp., 820 Old Colony Bldg., and *for mail*, 421 E. 48th Pl., Chicago, Ill.
- WILSON, Chester W. (Junior, 1911), Asst. Shop Supt., U. S. N. Dept., Hull Div., Boston Navy Yard, Boston, and *for mail*, 5 Adams St., Medford Hillside, Mass.
- WILSON, Geo. S. (1907; 1914), Assoc. Prof. M. E., Univ. of Wash., Seattle, Wash.
- WILSON, H. Dalzell (1903; 1912), Pres., Wilson-Snyder Mfg. Co., 2 Ross St., Pittsburgh, and Thornburg, Allegheny Co., Pa.
- WILSON, H. Howell (1913), Engr., United Gas & Elec. Engrg. Corp., 61 Broadway, New York, N. Y., and care of Harrisburg Light & Power Co., Harrisburg, Pa.
- *WILSON, Henry C. (1915), Maj., C. A. C., U. S. A., Ft. Totten, N. Y., and 771 West End Ave., New York, N. Y.
- WILSON, Henry M. (1911), Dist. Agt., Pittsburgh Valve, Fdy. & Constr. Co., 1250 Rockefeller Bldg., Cleveland, and 1648 Glenmont Rd., Cleveland Heights, O.
- WILSON, Howard B. (Associate-Member, 1917), Efficiency Engr., New Departure Mfg. Co., and *for mail*, 184 High St., Bristol, Conn.
- WILSON, Hugh M. (Associate, 1913), 114 Broadmead, Princeton, N. J.

- WILSON, Jacob D. (1903; 1914), Pres., Genl. Mgr., Am. Elev. & Mch. Corp., 113-115 Cedar St., New York, and *for mail*, 1270 Ocean Ave., Brooklyn, N. Y.
- WILSON, James (1913), Engr., Steam Turbine Dept., Allis-Chalmers Mfg. Co., and 576 69th Ave., West Allis, Wis.
- WILSON, James A. (Junior, 1915), Yd. Master, Cleveland, Cincinnati, Chicago & St. Louis Ry., and *for mail*, 1112 Pleasant St., Indianapolis, Ind.
- WILSON, James E. (1887), M. E., 205 W. 122d St., New York, N. Y.
- WILSON, James H. (Associate-Member, 1916), R. F. D. 4, Amsterdam, N. Y.
- WILSON, James W. (1914), Supt. Lower Depts., Natl. Tube Co., and 1200 Park St., McKeesport, Pa.
- WILSON, John C. (1917), Engr., The Cutler-Hammer Mfg. Co., 12th & St. Paul Ave., and 593 Farwell Ave., Milwaukee, Wis.
- WILSON, Jonathan A. (1916), Traveling Engr., The Babcock & Wilcox Co., Bayonne, N. J., and *for mail*, 232 Bay St., Rosebank, N. Y.
- WILSON, Joseph B. (Associate, 1917), Commer. Engr., Power Div., Westinghouse Elec. & Mfg. Co., 111 W. Washington St., and *for mail*, 9737 Vanderpoel Ave., Chicago, Ill.
- WILSON, Joseph H. (1917), Asst. to Genl. Supt., The Am. Rolling Mill Co., and 824 Stanley Ave., Middletown, O.
- WILSON, Leroy A. (Associate-Member, 1917), Instr., School of Military Aeronautics, University of Ill., 105 Mech. Engrg. Lab., and 1017 West Illinois St., Urbana, Ill.
- WILSON, Lester G. (1903; 1907; 1913), Cons. Engr., The Edwards Mfg. Co., Eggleston Ave., and *for mail*, 2432 Ingleside Pl., Cincinnati, O.
- WILSON, Nelson C. (1906), M. E., Dollar Savings and Trust Bldg., Federal St., N. S., Pittsburgh, Pa.
- WILSON, Oliver W. (Junior, 1917), Engr. Cost Engrg. Dept., The Barrett Co., 17 Battery Pl., New York, N. Y., and *for mail*, 26 Stockton Pl., East Orange, N. J.
- WILSON, Percy H. (1912), Cons. Engr., 1232 Land Title Bldg., Philadelphia, and Devon, Pa.
- WILSON, Robert A. (1910; Associate-Member, 1916), Mgr. Lucey Mfg. Corp., Box 323, and 309 Fargo Ave., Houston, Tex.
- WILSON, Thomas (1917), West, Editor, Power, McGraw-Hill Publishing Co., Inc., Rm. 1570 Old Colony Bldg., and 711 E. 50th St., Chicago, Ill.
- WILSON, Thomas B. (Associate-Member, 1914), Steam Engr., Cambria Steel Co., and *for mail*, 434 Lincoln St., Johnstown, Pa.
- WILSON, Wm. R. (Junior, 1899), Secy., Alberger Pump & Cond. Co., 140 Cedar St., New York, and *for mail*, 224 Palisade Ave., Yonkers, N. Y.
- WILT, A. D., Jr. (1913), Pres. The Schweppe & Wilt Mfg. Co., 70 Conant Ave., and 561 Cadillac Ave., Detroit, Mich.
- WINE, William E. (1916), Pres., The Wine Ry. Appliance Co., and 14 Columbia St., Toledo, O.
- WING, Chester E. (Associate-Member, 1914), Engr., The G. M. Parks Co., 970 Main St., Fitchburg, and *for mail*, 1045 Main St., N. Leominster, Mass.
- WINGE, Otto C. (Associate-Member, 1916), Engr., 1812 Nostrand Ave., Brooklyn, N. Y.
- WINGER, Stanley D. (Junior, 1904), Mgr. R. R. Sales and Serv., The Prest-O-Lite Co., Inc., Speedway, Indianapolis, Ind.
- WINGO, Richard T. (1910), Pres. Superior Mch. & Engrg. Co., 51-53 Fort St. E., and *for mail*, 43 Euclid Ave. E., Detroit, Mich.
- WINSHIP, W. E. (1908), South. Sales Mgr., Mexican Petroleum Corp'n. Whitney Central Bank Bldg., and 1806 Robert St., New Orleans, La.

- WINSOR, Paul (1910), Bradentown, Fla.
- WINTER, James M. (Associate-Member, 1915), Steam Boiler Inspr., The Hartford Steam Boiler Inspec. & Ins. Co., 100 William St., New York, N. Y.
- WINTERCORN, John, Jr. (Junior, 1916), Mech. Designer, Jos. T. Ryerson & Son, 16th & Rockwell Sts., and *for mail*, 6358 Ellis Ave., Chicago, Ill.
- WINTERLING, Clee C. (Junior, 1917), Steam Engr., Clairton Steel Wks. & Furnaces, Carnegie Steel Co., and *for mail*, Box 331 Clairton, Pa.
- WINTERROWD, William H. (1907; 1916), Asst. Ch. M. E., Canadian Pac. Ry., and *for mail*, 277 Hingston Ave., Montreal, Que., Canada.
- WINTHER, Chas. A. G. (1897; 1900), Pres., Genl. Mgr., The Chas. A. G. Winther Co., Inc., 85 High St., Boston, and 128 Highland Rd., West Somerville, Mass.
- WINTON, Alexander (1913), Pres., The Winton Co., Bera Rd., Cleveland, and Lake Ave., Lakewood, O.
- WINTROATH, John A. (Associate-Member, 1916), Genl. Mech. Supt., Layne & Bowler Corp., 910 Santa Fe Ave., and *for mail*, 1729 San Rafael Pl., Florencita Park, Los Angeles, Cal.
- WINTZER, Rudolph (1908), 687 Farwell Ave., Milwaukee, Wis.
- WIPPERMANN, William (Junior, 1913), Chilton, Wis.
- WISCHMEYER, Carl (Associate-Member, 1913), Supt., Rose Poly. Inst., and *for mail*, 203 Madison Blvd., Edgewood Grove., Terre Haute, Ind.
- WISE, Allen S. (Junior, 1917), Draftsman, E. I. du Pont de Nemours & Co., Du Pont Bldg., and *for mail*, 504 Taylor St., Wilmington, Del.
- WISHART, William D. (1913), M. M., Bausch & Lomb Optical Co., 635 St. Paul St., and 55 Tacoma St., Rochester, N. Y.
- WISNER, George M. (1907), Ch. Engr., Chicago Drainage Canal, 900 S. Michigan Ave., Chicago, Ill.
- WISSCHUSEN, Walter (Junior, 1916), Exp. Engr., The Barrett Co., 17 Battery Pl., New York, N. Y., and *for mail*, 61 Rossmore Pl., Belleville, N. J.
- WITHINGTON, Sidney (1908; 1916), Acting E. E., N. Y., N. H. & H. R. R., 319 Genl. Office Bldg., and *for mail*, 86 Linden St., New Haven, Conn.
- WITHROW, Paul C. (1914), M. E., Denver & Rio Grande R. R. Co., Burnham Sta., and *for mail*, 1275 Clayton St., Denver, Colo.
- WOHLENBERG, Walter J. (Associate-Member, 1917), Asst. Prof. M. E., Univ. of Mont., and *for mail*, 922 S. 3rd St., Bozeman, Mont.
- WOLCOTT, Henry A. (1897), Cons. Engr., New Britain Ave., West Hartford, Conn.
- WOLCOTT, Ward S. (Associate-Member, 1917), Engrg. Dept., No. Engrg. Wks., and *for mail*, 35 Vicksburgh Ave., Detroit, Mich.
- WOLF, Robert B. (1913), Mgr., Spanish River Pulp & Paper Mills, Ltd., Saulte Ste. Marie, Ont., Canada.
- WOLFE, Elvin A. (1912), Supt., Penn-Allen Cement Co., and 152 S. Broad St., Nazareth, Pa.
- WOLFE, Henry G. (1914), Thos. A. Edison, Edison Lab., and Windsor Hotel, Orange, N. J.
- WOLFF, John (1915), M. E., Cleveland Elec. Ill. Co., Illuminating Bldg., Cleveland, and 1864 Knowles St., E. Cleveland, O.
- WOLFF, Salomon (1914), Dist. Mgr., De Laval Steam Turbine Co., 933 Peoples Gas Bldg., Chicago, Ill.
- WOLFF, William S. (Junior, 1917), Prop., Wolf Motor Car Co., 811-815 E. 7th St., and 914 Beech St., St. Paul, Minn.
- WOLFGANG, William H. (Junior, 1915), Designer, Natl. Supply Co., 1225 Greenwood Ave., Toledo, O.

- WOLFNER, Ira W. (Junior, 1915), Asst. Treas. & Pur. Agt., Natl. Cooperage & Woodenware Co., and 143 High St., Peoria, Ill.
- WOLLHEIM, Walter E. (Associate-Member, 1917), Asst. M. E. Nathan Mfg. Co., Flushing, L. I., and *for mail*, 2467 Valentine Ave., New York, N. Y.
- WOLTON, J. D. (Junior, 1903), Ch. Engr., Ingersoll-Rand Co., 165 Queen Victoria St., London, E. C., and 81 Vineyard Hill Rd., Wimbledon Pk., London, S. W., England.
- WONG, Jee-Kwun (Junior, 1916), Draftsman, Eng. Dept., Maxim Munitions Corp'n, 719 Academy St., Watertown, N. Y., and Canton, China.
- WOOBANK, Wilfred (Junior, 1917), Sales Engr., Worthington Pump & Mchy. Corp'n., 123 W. 1st St., and Box 753, Tulsa, Okla.
- WOOD, Alan A. (Junior, 1914), Sales Engr., Builders Iron Fdy., 9 Codding St., and *for mail*, 16 Glendale Ave., Providence, R. I.
- WOOD, Albert C. (1894; 1900; 1904), Cons. Engr., 1203 Stock Exch. Bldg., 52d St. and Gainer Rd., Wynnesfield, Philadelphia, Pa.
- WOOD, Arthur J. (1898; 1907), Assoc. Prof. Railroad M. E., Cons. E., Pa. State College, and *for mail*, 410 Allen St., State College, Pa.
- WOOD, Augustus (1901), Mgr., Niles Tool Wks. Co., and 306 S. D. St., Hamilton, O.
- WOOD, Benjamin F. (1897; 1907), B. F. Wood Engineers, Inc., Woolworth Bldg., New York, N. Y., and *for mail*, 19 Clinton Ave., Maplewood, N. J.
- WOOD, Charles E. (Junior, 1916), Instr. in Metallurgy, Univ. of Cincinnati, Cincinnati, and *for mail*, 634 Glenway Ave., Wyoming, O.
- WOOD, Clark O. (Associate, 1916), Spec. Agt., The Home Ins. Co., 604 New Hayden Bldg., and *for mail*, 1458 Highland St., Columbus, O.
- WOOD, David W. (Associate, 1917), Pres., The Wood Turret Mch. Co., and 3 Kruzan St., Brazil, Ind.
- WOOD, Dennistoun (1914), Asst. M. E., Engr. of Tests, South. Pac. Co., 940 South Pac. Bldg., San Francisco, and *for mail*, 429 Forest Ave., Pala Alto, Cal.
- WOOD, Edward R., Jr. (Junior, 1900), Life Junior; Pres., The Tampa Water Wks., Tampa, Fla., and 409 Chestnut St., and 245 So. 17th St., Philadelphia, Pa.
- WOOD, Ernest H. (1913), M. E., East. Malleable Iron Co., and *for mail*, 2300 Monroe St., Wilmington, Del.
- WOOD, Erwin E. (1900), Life Member; Salesman, Jones & Lamson Mch. Co., and *for mail*, 208 Philadelphia Ave., E., Detroit, Mich.
- WOOD, Frank J. (1899), Ch. Engr., Marx & Rawolle, 9 Van Brunt St., and *for mail*, 25 Clinton St., Brooklyn, N. Y.
- WOOD, Fred L. (1916), Supt., The Aeolian Co., and *for mail*, 175 Elm St., Meriden, Conn.
- WOOD, Fredrick W. (1913), Genl. Mgr., Bethlehem Steel Co., Md. Plant, Sparrows Point, and *for mail*, Keyworth Ave., Baltimore, Md.
- WOOD, George R. (1906), Pres., West Branch Mining Co., Union Bldg., and 1808 Kanawha St., Charleston, W. Va.
- WOOD, Gleason (1914), Asst. Genl. Supt., Waltham Watch Co., and *for mail*, 87 Maple St., Waltham, Mass.
- WOOD, Harry P. (1914), Operating Engr., Edison Elec. Ill. Co., of Brooklyn, 360 Pearl St., and 482 Ninth St., Brooklyn, N. Y.
- WOOD, Henry M. (Associate, 1913), The Sechler & Co., 538 E. 5th St., and 5813 Lathrop Pl., Cincinnati, O.
- *WOOD, Horatio N. (1916), 1st Lieut. of Engrs., U. S. Coast Guard, U. S. Morse Dry Dock Co., 56th St., Brooklyn, N. Y., and *for mail*, 51 Hyatt St., Staten Island, N. Y.

- WOOD, James H. (Associate, 1917), Pres., East. Mch. & Equip. Co., 1036 Com. Trust Bldg., Philadelphia, Pa., and *for mail*, 127 Euclid Ave., Haddonfield, N. J.
- WOOD, John M. (Junior, 1917), Draftsman Equip. Dept., The Falk Co., 3321 Clybourn St., Milwaukee, Wis.
- WOOD, Kenneth F. (Associate, 1899), Treas., Sayles' Finishing Plant, Saylesville, and Nayatt, R. I.
- WOOD, Robert (1915), Wks. Mgr., Nathan Mfg. Co., 101 Park Ave., New York, and *for mail*, 15 Hawthorne St., Brooklyn, N. Y.
- WOOD, Roland T. (Junior, 1916), Industrial Engr., The Stand. Tool Co., 6900 Central Ave., and *for mail*, 2212 E. 40th St., Cleveland, O.
- WOOD, Stanley V. (Associate-Member, 1913), Engr. Dept., The Aluminum Castings Co., and *for mail*, 3281 E. 104th St., Cleveland, O.
- WOOD, Thomas C. (1909; 1916), U. S. Inspr., The Panama Canal, 1450 Winona Ave., Chicago, Ill.
- WOOD, Walter (1880; 1890), R. D. Wood & Co., 400 Chestnut St., and 1620 Locust St., Philadelphia, Pa.
- WOOD, William H. (1889), Engr., Bldr. Spec. Mch., 10 South Ave., and 43 Washington St., Media, Pa.
- WOOD, William R. (1913), Mech. Valuation Engr., Great No. Ry. Co., and 1317 Summit Ave., St. Paul, Minn.
- WOOD, Winthrop B. (1914), Mech. Supt., Joseph Bancroft & Sons Co., Wilmington, and *for mail*, 2206 Grant Ave., Wilmington, Del.
- WOODARD, Louis A. (1900; 1904), Pres., Treas., The Woodard Machine Co., Wooster, and 342 Nold Ave., Wooster, O.
- WOODARD, William E. (1915), V. P., Lima Loco Wks., Inc., and 1431 Lakewood Ave., Lima, O.
- WOODBURY, Joseph G. (Associate-Member, 1916), Major Ord. Dept., U. S. R., 1801 Eye St., N. W., Washington, D. C., and *for mail*, 194 White St., Stratford, Conn.
- WOODCOCK, John (1916), Wks. Mgr., Pratt & Cady Co., 556 Capitol Ave., and *for mail*, 56 Vernon St., Hartford, Conn.
- *WOODCOCK, William E. (Junior, 1917), 2nd Lieut., 106th Engrs., U. S. R., Engr., Slocum, Avram & Slocum, Inc., 531 W. 21st St., and *for mail*, Apt. 66, 237 W. 108th St., New York, N. Y.; also 91 Morris St., Albany, N. Y.
- WOODMAN, George A. (1911), Genl. Mgr., Natl. Car Equip. Co., Ry. Exch., and *for mail*, 6752 Perry Ave., Chicago, Ill.
- WOODMAN, Joseph C. (Junior, 1914), Supt. of Constr., Decarie Incinerator Co., and V. P., Stacy Bates Co., 817 McKnight Bldg., and *for mail*, 1808 Colfax Ave., S., Minneapolis, Minn.
- WOODMANSEE, Fay (1911), Cons. Engr., Woodmansee-Davidson Engrg. Co., 784 Continental & Commer. Bank Bldg., Chicago, and 430 18th Ave., Maywood, Ill.
- WOODROFFE, George H. (1916), Mech. and Metallurgical Engr., The Parkesburg Iron Co., Parkesburg, Pa.
- *WOODRUFF, Clarence A. (1912; Associate-Member, 1913), 2nd Lieut., Connecticut C. A. C., The New Departure Mfg. Co., and 6 Bradley St., Bristol, Conn.
- WOODS, George E. (1915), Asst. Ch. Engr., Consld. Gas Co. of N. Y., 130 E. 15th St., Astoria, Long Island, N. Y.
- WOODS, George R. (Junior, 1916), Asst. to Pres., Allied Mch. Co. of Am. 120 Broadway, New York, N. Y., and *for mail*, 496 Park Ave., East Orange, N. J.
- WOODS, Mercer H. (Junior, 1912), M. E., Bates Valve Bag Co., Chicago, Ill., and *for mail*, care of Dr. J. R. Woods, Aylmer, W., Ont., Canada.
- *WOODS, Samuel H. (Associate-Member, 1915), Capt. Q. M. C. N. A., Military Truck Engrg. Sec., 205 Union Sta., and *for mail*, 220 E St., N. E., Washington, D. C.

- WOODWARD, Arthur H. (1913), Pres., The Internatl. Register Co., 15 S. Throop St., Chicago, Ill., and Altadena, Cal.
- *WOODWARD, Hiram W. (Junior, 1916), 2nd Lieut., 106th Engrs., U. S. R., Statistician, Alex. Brown & Sons, and *for mail*, 1307 John St., Baltimore, Md.
- WOODWARD, Sherman M. (1907), Prof. Mech. and Hydraulics, State Univ. of Ia., Iowa City, Ia.
- WOODWELL, Julian E. (1900; 1908), Cons. Engr., 8 W. 40th St., New York, and 353 Egmont Ave., Mt. Vernon, N. Y.
- WOODY, Guy V. (Junior, 1911), Engr. Charge of Centrifugal Pump Design, Allis-Chalmers Mfg. Co., Milwaukee, and *for mail*, 122 E. Milwaukee Ave., Wauwatosa, Wis.
- WOOLFOLK, William G. (1916), Mgr., Chicago Office, Sanderson & Porter, 72 W. Adams St., Chicago, and 280 Central Ave., Highland Park, Ill.
- WOOLLEY, Harold O. (1909; Associate-Member, 1915), Power Spec. Co., 1301 Harris Trust Bldg., Chicago, Ill.
- WOOLNER, Seymour A. (Junior, 1917), Pur. Agt., Asst. Secy., Woolner Distilling Co., P. O. Box 1003, and *for mail*, 216 Parkside Drive, Peoria, Ill.
- *WOOLSON, Clifford G. (1916), Capt., Co. A, 104th Engrs., 29th Div., U. S. A., Camp McClellan, Amiston, Ala., and 176 N. 3rd St., Newark, N. J.
- WOOLSON, Harry T. (1907), M. E., Studebaker Corp'n, and *for mail*, 48 Churchill St., Detroit, Mich.
- WOOLSON, Ira H. (1896), Cons. Engr., The Natl. Bd. of Fire Underwriters, 76 William St., New York, and 201 Franklin St., Astoria, L. I., N. Y.
- WOOLSON, Orosco C. (1886), Des. Engr. & Mfgr., 39 Cortlandt St., New York, N. Y., and Newark, N. J.
- WOOLSON, Wm. D. (Associate, 1897), Treas., Jones & Lamson Mch. Co., Springfield, Vt.
- WOOTTON, Harry C. (Associate-Member, 1916), Supvr., Winchester Repeating Arms Co., and *for mail*, 562 Winthrop Ave., New Haven, Conn.
- WORBOIS, Homer L. (Junior, 1914), Service Engr., Covert Motor Vehicle Co., Grand St., and 115 High St., Lockport, N. Y.
- WORCESTER, H. E. (Associate, 1903), Supt., Revere Sugar Refinery, East Cambridge, and *for mail*, 10 Kirkland Rd., Cambridge, Mass.
- WORDEN, Euclid P. (1899; 1902), M. E., Submarine Boat Corp'n, Rm. 1919, 30 Church St., New York, N. Y.
- WORK, Clayton W. (Junior, 1917), Turbine Dept., Westinghouse E. and M. Co., E. Pittsburgh, and *for mail*, 814 Holland Ave., Wilkinsburg, Pa.
- WORK, David W. (Associate-Member, 1916), Draftsman, Braden Copper Co., Rancagua, Chile, and Lamar, Mo.
- WORKER, Joseph G. (1914), Mgr. Stoker Div., Westinghouse Elec. & Mfg. Co., East Pittsburgh, and *for mail*, 5722 Baum Blvd., Pittsburgh, Pa.
- WORTH, B. G. (1917), V. P., Walter Kidde & Co., Inc., 140 Cedar St., New York, N. Y., and *for mail*, 954 Kensington Ave., Plainfield, N. J.
- WORTH, Charles C. (1908), Asst. Supt. Constr., The N. Y. Edison Co., Irving Pl., and 15th St., New York, and 352 Crown St., Brooklyn, N. Y.
- WORTHEN, Charles B. (Associate-Member, 1917), M. E., Ch. Inspr. A. and A. E. S. S. L., War Dept., Washington, D. C., and *for mail*, 478 N. Maple Ave., East Orange, N. J.
- WORTHINGTON, Charles C. (1882), Shawnee-on-Delaware, Monroe County, Pa.
- WORTHINGTON, Edward H. (Associate-Member, 1914), Shawnee Mower Co., Shawnee-on-Delaware, Pa.

- WOTHERSPOON, William L. (1914), Cons. M., Internatl. Nickel Co., 43 Exchange Pl., New York, and Bretton Rd., Scarsdale, N. Y.
- WRAITH, William (1903), Genl. Mgr., Internatl. Smelting Co., Kearns Bldg., and 627 2nd Ave., Salt Lake City, Utah.
- WRAY, Alfred B. (Associate-Member, 1915), Asst. Sales Mgr., Morse Chain Co., and *for mail*, 111 Orchard Pl., Ithaca, N. Y.
- WRIGHT, A. Miles (Junior, 1917), Engrg. Dept., U. S. Cartridge Co., and *for mail*, 295 Appleton St., Lowell, Mass.
- WRIGHT, Arthur C. (1916), Cons. Engr., New England Westinghouse Co., and *for mail*, 52 Mapledell St., Springfield, Mass.
- WRIGHT, Donald C. (Associate, 1917), Supt. of Production, Dodge Mfg. Co., and 825 Lincolnway, East Mishawaka, Ind.
- *WRIGHT, Douglas B. (Junior, 1916), 2nd Lieut., E. O. R. C. 15th Div., U. S. Expeditionary Forces, France.
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- WRIGHT, Paul (1915; 1915), Sales Engr., Am. Cast Iron Pipe Co., and *for mail*, 1005 Woodward Bldg., Birmingham, Ala.
- *WRIGHT, Paul D. (Junior, 1917), 1st Lieut., O. D., O. R. C., care of Remington Arms U. M. C. Co., Swanton, Vt.
- WRIGHT, Ross P. (1911), Secy., Treas., Reed Mfg. Co., and *for mail*, 235 W. 6th St., Erie, Pa.
- WRIGHT, Roydon V. (1907), Managing Editor, Ry. Age Gazette, Woolworth Bldg., New York, N. Y., and *for mail*, 192 N. Walnut St., East Orange, N. J.
- *WRIGHT, Stanley (Junior, 1913), 2nd Lieut., 314th Engrs., Camp Funston, Kan., Bush-Sulzer Bros. Diesel Eng. Co., St. Louis, Mo.
- WRIGHT, William H. (1917), Supt., Citizens Gas Co., Majestic Bldg., and 2734 W. Pennsylvania St., Indianapolis, Ind.
- WRIGHT, Wm. Q. (1908), Min. and C. E., 731 Merchants Exch. Bldg., San Francisco, and Sausalito, Cal.
- WUESTNER, Clarence J. (Junior, 1916), Designer, E. I. du Pont de Nemours & Co., Wilmington, Del., and 526 S. 12th St., Highlandtown, Md.
- WUNSCH, Joseph W. (Junior, 1917), Wunsch & Washburn, 207 Centre St., New York, and 1581 Lincoln Pl., Brooklyn, N. Y.
- WURDACK, Hugo (1914), Pres., The Light & Development Co. of St. Louis, 750 Ry. Exch. Bldg., and 1221 Euclid Ave., St. Louis, Mo.
- WURTS, Edward V. (Associate, 1897), Ch. Engr., Steel Utilities, Inc., 425 Kinney Bldg., Newark, and 17 Prospect Terrace, East Orange, N. J.
- WYANT, Robert E. (1916), Engr., New Haven Gas Light Co., 80 Crown St., and 192 Livingston St., New Haven, Conn.
- WYATT, Edgar W. (1910), Cons. Engr., Pittsburgh Testing Lab., 50 Church St., New York, N. Y., and *for mail*, 64 Passaic St., Hackensack, N. J.
- WYER, Samuel S. (1904; 1911), Cons. Engr., 1014 Harrison Bldg., and 360 W. 9th Ave., Columbus, O.
- WYLIE, Howard M. (Junior, 1912), Mgr. N. Y. Office, Nash Engrg. Co., 30 East 42nd St., and 50 Morningside Drive, New York, N. Y.
- WYMAN, Dwight M. (Junior, 1915), Res. Supt., Aberthaw Constr. Co., 27 School St., Boston, and 10 Church Rd., Newton, Mass.
- WYMAN, Laurence W. (Associate-Member, 1916), Engr., California Corrugated Culvert Co., 5th and Parker Sts., Berkeley, and 1035 66th Ave., Oakland, Cal.
- WYNKOOP, Hubert S. (1908), E. E., Dept. Water Supply, Gas and Elec., 2329 Municipal Bldg., New York, and *for mail*, 1574 50th St., Brooklyn, N. Y.

- WYNNE, John H. (1914), V. P., E. B. Cadwell & Co., Inc., 25 Broad St., New York, N. Y., and Arch Rd., Englewood, N. J.
- WYNNE, Thomas A. (1915), V. P., Treas., Indianapolis Light & Heat Co., 48 Monument Pl., and 2110 W. 41st St., Indianapolis, Ind.
- YAGER, John E. (Junior, 1916), Draftsman, Bucyrus Co., and *for mail*, 805 Milwaukee Ave., South Milwaukee, Wis.
- YARDLEY, Ralph W. E. (Associate-Member, 1915), Engr., Richards, McCarty & Bulford, Hartman Bldg., Columbus, O.
- YARNALL, D. Robert (1903; 1911), Secy., Treas., Yarnall Waring Co., Genl. Mgr., V. P., Nelson Valve Co., Chestnut Hill, and 316 Preston St., Philadelphia, Pa.
- YARROW, Sir Alfred F. (Honorary, 1914), Governing Dir., Yarrow & Co., Ltd., Scotstoun, Glasgow, Scotland, and *for mail*, Homestead, Hindhead, Surrey, England.
- YARYAN, Homer T. (1892), V. P., The Yaryan Naval Stores Co., Toledo, O.
- YATES, Preston K. (1914), Cons. Engr., Rm. 1045, 120 Broadway, New York, N. Y.
- YATES, Richard L. (1907; Associate-Member, 1916), Asst. Mgr., The Platt Iron Wks. Co., and *for mail*, 108 Oxford Ave., Dayton, O.
- YATES, Sheldon S. (1912; Associate-Member, 1915), Mgr. Butterworth-Judson Corp., Newark, N. J., Rm. 1045, 120 Broadway, New York, N. Y., and *for mail*, 8 Spring Lane, Englewood, N. J.
- YCASIANO, Francisco R. (Associate-Member, 1916), Mech. and Testing Engr. Bureau of Science, Dept. of Agri. and Natl. Resources, and *for mail*, 1021 Dakota St., Manila, P. I.
- YEAGER, Andrew J. (Associate-Member, 1915), Junior Partner, J. F. Witmer Co., Dun Bldg., Buffalo, N. Y.
- YEOMANS, Lucien I. (1910), Industrial Engr., 72 W. Adams St., and 4236 N. Hermitage Ave., Chicago, Ill.
- YEWDALE, Francis M. (Associate-Member, 1915), M. E., Wm. Steele & Sons Co., 1600 Arch St., and *for mail*, 5946 N. 13th St., Philadelphia, Pa.
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- YODER, Jacob H. (Junior, 1912), Supvr. Apprentices, Pa. R. R. Co., and *for mail*, Box 383, Altoona, Pa.
- *YODER, Thomas M. (Associate, 1914), Capt. O. D. U. S. A., Watervliet Arsenal, Watervliet, N. Y.
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- YORK, John J. (1910), Genl. Wks. Mgr., St. Lawrence Sugar Refining Co., 730 Notre Dame St., and *for mail*, 775 Notre Dame St., Maisonneuve, Que., Canada.
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- YORK, Raymond D. (1917), V. P., Genl. Mgr., The Portsmouth St. Ry. & Light Co., 10th & Offene Sts., and 1636 Highland Ave., Portsmouth, O.
- YORK, Robert (1901; 1908; 1911), V. P., Treas., York Lumber & Mfg. Co., 823 S. Bellevue Blvd., and 1215 Sledge Ave., Memphis, Tenn.
- YORKSTON, John E. (1912), Engr. in Charge Drafting Dept., Genl. Elec. Co., and *for mail*, 41 Third Ave., Schenectady, N. Y.
- YOUNG, Chas. D. (1902; 1910), Engr. of Tests, Pa. R. R., Altoona, Pa.
- YOUNG, Charles M. (Junior, 1916), Draftsman, Link Belt Co., and 1422 Borie Ave., Philadelphia, Pa.

- YOUNG, Emanuel J. (Junior, 1914), Genl. Foreman Elec. Repair Shop, Cambria Steel Co., and *for mail*, 433 Luzerne St., Johnstown, Pa.
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- YOUNG, John H., Jr. (Associate-Member, 1916), Lubrication Engr., The Texas Co., New York, N. Y., and *for mail*, 331 Locust St., Williamsport, Pa.
- YOUNG, John Mason (1902; 1910), Dean of Engrg., College of Hawaii, Cons. Engr., P. O. Box 636, and Alewa Heights, Honolulu, Hawaii.
- *YOUNG, John P. (1899; 1906), Capt., C. A. C., U. S. A., Ft. Hancock, N. J., Pres., Reinforced Concrete Roof Co., Youngstown, O.
- YOUNG, John T. (1900; 1908), First V. P., Genl. Mgr., Grand Rapids Gas Light Co., and 255 Union Ave., S., Grand Rapids, V. P., Muskegon Traction & Ltg. Co., Muskegon, Mich.
- YOUNG, Joseph E. (Junior, 1916), Am. Steel Foundries, P. O. Box 536, and *for mail*, 23 Ohio St., Sharon, Pa.
- YOUNG, William A. (1901; 1905; 1906), Ch. Engr., Pawling & Harnischfeger Co., 38th & National Aves., and *for mail*, 306 21st Ave., Milwaukee, Wis.
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- YOUNG, William V. (Associate, 1917), V. P., The Am. Appraisal Co., Milwaukee, Wis., and 915 Buena Ave., and *for mail*, 38 S. Dearborn St., Chicago, Ill.
- YOUNGER, John (1915), Ch. Engr. Truck Dept., Pierce-Arrow Motor Car Co., 1695 Elmwood Ave., and 70 Wellington Rd., Buffalo, N. Y.
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- ZEH, Edmund W. (1915), M. E., Zeh & Hahnemann Co., Ave A and Vanderpool St., and 93 Elizabeth Ave., Newark, N. J.
- ZEHNDER, Chas. H. (1890), Pres., Austen Coal & Coke Co., Rm. 1648, 120 B'way, New York, N. Y., and 223 Elberon Ave., Allenhurst, N. J.
- *ZEIGER, Kenneth G. (Junior, 1914), Student Officers Training Camp, 2nd C. A. C., Ft. Winfield Scott, Cal., and *for mail*, Box 110, Clarkdale, Ariz.
- *ZEIGER, Nelson A. (Junior, 1916), 1st Lieut. O. D., U. S. R., care of Ch. Ord. Officer, Am. Expeditionary Force, France, and 201 Clinton Ave., Jersey City, N. J.
- ZELLER, James H. (Associate-Member, 1916), Asst. Supt., Pa. Barrel Co., 23rd and Hamilton Sts., Philadelphia, and *for mail*, P. O. Box 152, Berwyn, Pa.
- ZELLER, Richard (Junior, 1914), Works Engr., The Egyptian Lacquer Mfg. Co., Passaic Ave., Newark, and The Fairmont, Hudson Blvd. & Fairmont Ave., Jersey City, N. J.
- ZIEGLER, Leslie I. (1914), Mgr. Milling Mchv. Dept., Nordyke & Marmon Co., and Columbia Club, Indianapolis, Ind.

- ZILEN, Victor W. (Associate, 1913), Asst. Engr., Lucey Mfg. Corp'n. of Tenn., and *for mail*, Route No. 1, Box 139, Chatanooga, Tenn.
- ZIMMERMAN, Alfred W. (1913), Pres., Cons. Engr., Zimmerman Engrg. & Supply Co., and 3504 Fairfield Ave., Fort Wayne, Ind.
- ZIMMERMAN, Fred R. (Associate-Member, 1917), Cons. Engr., Ill. Engrg. Co., 122 S. Michigan Ave., Chicago, Ill., and *for mail*, 820 Ferndale Ave., Dayton, O.
- *ZIMMERMAN, Oliver B. (1905), Capt. E. O. R. C., U. S. A., Engr. Depot, Washington Barracks, Washington, D. C., and 324 S. Ashland Ave., La Grange, Ill.
- ZIMMERMANN, John E. (Junior, 1907), V. P., Day & Zimmermann, 611 Chestnut St., Philadelphia, and Rydal, Pa.
- ZIMMERMANN, William F. (1884), V. P., Pittsburgh Testing Lab., 50 Church St., and 135 W. 79th St., New York, N. Y.
- *ZINK, Robert E. (Junior, 1916), Capt. O. O. R. C., 1800 E. St., Washington, D. C., and 1103 Central Ave., Bridgeport, Conn.
- ZOHE, Ludwig A. (1903; 1904), The Semet Solvay Co., and *for mail*, 207 E. Kennedy St., Syracuse, N. Y.
- ZOUCK, George H. (Junior, 1914), Engrg. Dept., Oxweld Acetylene Co., 646 Frelinghuysen Ave., Newark, and 217 Lincoln Ave., Orange, N. J.
- ZOWSKI-ZWIERZCHOWSKI, S. J. (1910), Prof., M. E., Univ. of Mich., 327 New Engrg. Bldg., and 2006 Washtenaw Ave., Ann Arbor, Mich.
- ZUGELTER, George E. (Junior, 1916), Tool Designer, The Dayton Engrg. Labs. Co., Dayton, and 207 Elliott Ave., Arlington Heights, Con-cinnati, O.
- ZWOYER, Ellsworth B. A. (1914), Briquetting Engr., Zwoyer Fuel Co., Rm. 2507, 60 Wall St., New York, N. Y., and *for mail*, 218 Market St., Perth Amboy, N. J.

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 Datz, L. C., Engr., South. Properties, United Gas & Elec. Engrg. Corp.
 Davis, C. B., Engr., Machy. Salesman, C. B. Davis Engrg. Co.
 Gassman, H. M., Cons. Engr., 706-8 Brown Marx Bldg.
 Hamilton, W. B., Sales Engr., Hardle-Tynes Mfg. Co.
 Kelser, F. B., Cons. Engr., Kelser-Gelsmer Engrg. Co.
 Klinck, J. H., Westinghouse Elec. & Mfg. Co.
 Lewis, F. H., Cons. Engr., 732 Brown-Marx Bldg.
 Lide, M. J., Cons. Engr., Woodward Bldg.
 Mattson, E. N., (Jr.), Sales Engr., Am. Cast Iron Pipe Co.
 Middleton, H. A., Spec. Steam Engr., Crane Co.
 Moffett, C. A., V. P., Genl. Mgr., Gulf States Steel Co.
 Moon, H. A., Mfg. Dept., Continental Gln Co.
 Moore, J. W., Supt. Constr., Am. Cast Iron Pipe Co.
 O'Brien, D. J., (Jr.), Mech. Expt., Galena-Signal Oil Co.
 Owens, C. T., Alabama Power Co.
 Pratt, M. E., Asst. Genl. Supt., Continental Gln Co.
 Roueche, W. L., Supt. Shops, M. E., Crane Co.
 Rousseau, E. H., Ch. Engr. Birmingham Mch. & Fdy. Co.
 Ryding, H. C., V. P., Tenn. C., I. & R. R. Co.
 Sparkes, J. G., (Jr.), M. E., Robert D. Johnston, Jr., Pat. Atty., 303 Amer. Trust Bldg.
 Spearman, G. M., (Jr.), Draftsman T. C. I. & R. R. Co., 1010 Woodward Bldg.
 Stewart, S., M. M., Republic Iron & Steel Co.
 Thurlow, O. G., Ch. Engr., Ala. Power Co.
 Turner, F. C., Rep., So. Wheel Co.
 Van Keuren, E. B., (Jr.), Mech. and Industrial Engr., 1320 Jefferson Bank Bldg.
 Walmsley, W. N., Genl. Mgr., Ala. Power Co.
 Wright, Paul, Sales Engr., Am. Cast Iron Pipe Co.
- Copperhill.**—Slaughter, B. G., V. P. & Genl. Mgr., Bird Coal & Iron Co., Talladega, Ala., also Cons. Engr., 819 Penn. Bldg., Philadelphia, Pa.
- Dothan.**—Steele, B. W., (Jr.), Pres. Atlanta & St. Andrews Bay Dothan, Ry. Ala.

ALABAMA (Continued)

Ensley.—Caine, W. P., Steam Engr. Ensley Wks., Tenn. C., I. & R. R. Co.

Cutler, F. G., Ch. Bureau of Steam Engrg., Tenn. C., I. & R. R. Co.

Landgrebe, K. L., Asst. Gen. Supt., Tenn. Coal, Iron & R. R. Co.

Spearman, J. M. (Jr.), Genl. Boiler Foreman, Tenn. Coal, Iron & R. R. Co.

Taylor, F. C., Genl. Gas Foreman, Tenn. Coal, Iron & R. R. Co.

Wilcox, W. F., Supt. Central Water Wks., Tenn. Coal, Iron & R. R. Co.

Fairfield.—Glimm, W. F. (Jr.), Chem. Engr., Barrett Co.

Fort Morgan.—Kennedy, G. S. (Jr.), Lieut. C. A. C., U. S. A.

Sheffield.—Munson, J. G., Constr. Engr., J. G. White Engrg. Corp'n.

Woodward.—Gaboury, J. D., Supt. of Power, Woodward Iron Co.

ALASKA

Juneau.—Collyer, W. C. (Jr.), Salesman, Ingersoll Rand Co.

ARIZONA

Clifton.—Hardy, N. G., Supt. of Power, Ariz. Copper Co.

Clarkdale.—Zeiger, K. G. (Jr.), Box 110.

Clifton.—Hull, M. R., Ch. Engr., Ariz. Copper Co.

Douglas.—Pratt, H. H., Asst. Cons. Engr., Phelps, Dodge Corp'n.

Hayden.—Franklin, E. J., Cons. Engr., Ray Consld. Copper Co., Chino Copper Co.

Miami.—Jourdin, W. W., Ch. Engr. Power Plant, Inspiration Consld. Copper Co.

Tucson.—Hendry, W. S., Instr. Mech. Arts Dept., Univ. of Ariz.

Henley, W. W., Prof., Univ. of Ariz.

Schoenky, O. B., Master Mechanic Southern Pacific Co.

Warren.—McGregor, A. G., Mech. and Metallurgical Engr.

ARKANSAS

Fayetteville.—Wilson, B. N., Prof., M. E., Supt. Mech. Arts, Univ. of Ark.

Fort Smith.—Johnstone, F. W., Fort Smith & West. R. R. Co.

Little Rock.—Fordyce, J. R., Cons. Engr., 2115 Broadway.

Lithgow, R. P. (Jr.), Ch. Engr., Arkansas Water Co.

Rose, C. E., V. P., Mgr., Ark. Cold Storage Co. and The National Ice & Cold Storage Co.

Pine Bluff.—Longino, J. L., Secy., Asst. Genl. Mgr., Ark. Light & Power Co.

CALIFORNIA

Acampo.—Small, H. J.

Alameda.—Rosen, C. G. A. (Jr.), M. E., Dow Pump & Diesel Eng. Co.

CALIFORNIA (Continued)

Alhambra.—Hinchman, C. R., Descauss Court.

Angels Camp.—Demarest, D. C., Mgr., Angels Iron Wks.

Bakersfield.—Scharpenberg, C. C., Efficiency Engr. Producing Dept., Stand. Oil Co.

Scholefield, C. W. (Jr.), M. E. Efficiency Dept., Stand. Oil Co.

Berkeley.—Dyer, W. J., Cons. Engr., 2531 College Ave.

Langille, H. B., Asst. Prof. Mch. Design and Mech. Drawing, Univ. of Cal.

Le Conte, J. N., Prof. Engrg. Mech, Univ. of Cal.

Raber, B. F., Assoc. Prof. M. E., Univ. of Cal.

Thorsby, K. J., Supt., Cal. Corrugated Culvert Co.

Tour, R. S., Asst. Prof. Gas. Engrg., Univ. of Cal.

Borersolvay.—Thompson, B. L., Charge of Wks. Oper. Plant Solvay Process Co.

Burlingame.—Kraus, J. (Jr.).

Corcoran.—Berg, H. J. (Jr.), Engrg. Dept. Pipe Line Dept., Stand. Oil Co. of Cal.

Corona.—Hawkins, T. U., Flagler Fruit & Packing Co.

Covina.—White, W. J.

Crockett.—Brown, C. C. (Jr.), Power Engr., California & Hawaiian Sugar Ref. Co.

Edmunds, L. L., Ch. Engr., Cal. & Hawaiian Sugar Ref. Co.

Davis.—Davidson, J. B., Prof. Agri. Engrg. Univ of Cal.

Eureka.—Harden, F. W., U. S. Shipping Board, Emergency Fleet Corp'n.

Hollywood.—Baum, R. S. (Jr.), 1749 Cherokee Ave.

Kennett.—Field, R. N., M. E., Mammoth Copper Min. Co.

Kremers, C. H., Constr. Engr., Mammoth Copper Min. Co.

Lancaster.—Weld, L. G.

Lincoln.—Burnet, E. E., Rancher.

Long Beach.—Roberts, T. C., Sea Gull Apts.

Voorhees, A. C. (Jr), Ch. Submarine Draftsman, Charge Gov. Div., Cal. Shipbuilding Co.

Los Angeles.—Adamson, A. R., Asst. Genl. Supt., Baker Iron Wks.

Ballou, J. M. (Jr.), Ch. Engr. Rotary Products Co.

Barkelaw, J. T., Engr., Patent Atty., 1017-18 Central Bldg.

Barre, H. A., E. E., Southern Cal. Edison Co., Edison Bldg.

Baruch, M. (Jr.), Elec. & Mech. Engr., Llewellyn Iron Wks.

Bell, W. L., Pres., Fulton Eng. Wks.

Bettis, W. I., Cons. Engr., The Layne & Bowler Corp.

Boyd, H. L., Mech. Engr., Indus. Accident Commission of Cal.

Brett, H. E., Cons. Engr., 114 N. Spring St.

Bultmann, R. A. W. (Jr.), M. E., 537 Chamber of Commerce Bldg.

CALIFORNIA, Los Angeles (Continued)

- Burch, H. K., Mech. and Metallurgical Engr., 715 S. Oxford.
 Burnham, C., Supt., Ch. Engr., Burnham Basket Co.
 Burton, S. E., Ch. Engr. Mech. Dept., Los Angeles Co.
 Campbell, T. D., Pres., Thomas D. Campbell & Co.
 Carlyle, A. R., Surveyor Am. Bureau of Shipping, Am. Lloyds, Designing Marine Engr., Union Oil Co. of Cal.
 Carr, J. D., Factory Supt., Am. Cement Products Co.
 Clark, H. H., Mgr. Los Angeles Office, Chas. C. Moore & Co. Engrs.
 Clark, H. H., Local Mgr., Link-Belt Co.
 Davisson, W., Ch. Engr., Rancho La Brea Oil Co.
 Doolittle, H. L., Asst. Constr. Engr., So. Cal. Edison Co.
 Faulkner, D. S., Sales Engr., Union Tool Co.
 Finkle, F. C., Cons. Engr., 448-449 I. W. Hellman Bldg.
 Fischer, F. J., Ch. M. E., Bureau of Water Wks. and Supply.
 Griffith, L. M., Mgr. Engr., Griffith Mach. Wks.
 Harris, F. W., Cons. Engr., Graham & Harris.
 Hitchcock, H. S., Treas., Baker Iron Wks.
 Hoffman, J. R., V. P., Smith-Booth-Usher Co.
 Hughes, W. J., Sale and Engrg. Mech. Equip., Larimer-Hughes Co.
 Kibele, O. B., Charge of Contr. & Repair Wk., Union Oil Co.
 Lampman, J. B., Asst. Genl. Sales Mgr., Worthington Co., Inc.
 Masser, H. L. (Jr.), Engr. Midway Gas Co.
 McGwire, C. H., Asst. Ch. Engr., Bd. of Pub. Utilities.
 Maier, F., Prop., Mech. Pattern Wks.
 Marshall, K. I. (Jr.), M. E., Western Precipitation Co.
 Mayland, G. A., Ch. Draftsman, Los Angeles Gas & Elec. Corp.
 Noble, W. A. E., Genl. Mgr., United Casting Co.
 Pope, H. L., Quartermaster, O. R. C., Factory Mgr., Glenn L. Martin Co.
 Reichard, G. A., Sales Engr., Worthington Co., Inc.
 Repath, C. H., Engr., 2750 Raymond Ave.
 Rhodes, G. H. (Jr.), Industrial Engr., Bishop & Co.
 Royer, T. J., Engr. R. A. Rowan & Co., 200 Title Ins. Bldg.
 Schmidt, A. A., Ch. Engr., West. Precipitation Co.
 Sherman, W. D., Pres. and Cons. Engr., Industrial Engrg. Co.
 Sprado, R., Cons. Engr., Sprado Engrg. Co.
 Suter, J. H., Ch. Engr., West. Mch. Co.
 Sweeney, M. L., Supt., West. Pipe & Steel Co. of Cal.
 Tracy, H. N., Owner, H. N. Tracy Co.
 Warrington, J. N., 1820 Taft Ave.
 Wartenweller, O., Mgr., Otto Wartenweller & Co.
 Wiggers, J. (Jr.), Ch. Engr., Moreland Motor Truck Co.
 Wintroath, J. A., Mech. Supt., Layne & Bowler Corp.

Marysville.—Czajkowski, A., Draftsman, Yubaf Constr. Co.

Oakland.—Brown, J. Q., V. P., Genl. Mgr., Nev. Val. Power Co.

Bunker, W. D., Genl. Mgr., Judson Mfg. Co.

Diamond, G. A., Supt., Skandia Pacific Oil Eng. Co.

Dietrich, F. C. (Jr.), Asst. Ch. Engr., Fageol Motors Co.

Hepburn, H. M., Prop., H. M. Hepburn Mfrs. Agt. & Commissions, 244 California St.

Ross, F. E., Partner, Gilro Mch. Co.

Somerville, G. N., Engr., Skandia Pacific Oil Eng. Co.

Westwater, A., Marine Eng. and Boiler Draftsman, Moore & Scott Iron Wks.

Oilfields, Fresno Co.—Durward, E. S., Asst. Supt., Shell Co. of Cal.

Orcutt.—Goodwin, G. L., Supt. Gas Plants, Union Oil Co., of Cal.

CALIFORNIA (Continued)

Oroville.—Hanson, F. P., Shop Supt., Engr., Am. Gold Dredging Co.
Leeson, C. G., Mgr. of Operations, Am. Gold Dredging Co.

Pasadena.—Adams, W. H., Prof. M. E., Throop College of Tech.
Billmyer, C. D. (Jr.), Instr. M. E., Throop College of Tech.
Clapp, W. H., Assoc. Prof. Mch. Design., Throop College of Tech.
King, F. S., Dept. Mgr., Natl. Meter Co.
Koerner, C. W., Genl. Mgr., Engr., Pasadena Municipal Light & Power Plant.
Pease, F. G., Astronomer, Charge of Design, Mt. Wilson, Solar Observatory.
Whiteside, W. H., Retired, 537 S. Orange Grove Ave.
Wright, E. N., 691 La Loma Rd.

Patterson.—Killgore, E. R., Div. Supt. Pipe Line Dept., Stand. Oil Co.

Point Loma.—Tyberg, O.

Pomona.—Sederholm, E. T., Cons. Engr., 495 Jefferson St.

Richmond.—Moorhead, A. C. (Jr.), Engrg. Corps Richmond Refinery, Stand. Oil Co. of Cal.
Zabriskie, W. H. (Jr.), Stand. Oil Co. of New York.

Riverside.—Mills, C., 404 W. 12th St.

Sacramento.—Blee, H. H., State Road Engr., California State Dept. of Engrg.

Browning, C. (Jr.), Foreman Lab., South Pac. Co.

Givan, A., Cons. Engr., 1525 K St.

Simonson, G. M. (Jr.), Elec. Engr., Calif. State Dept. of Engrg.

San Bernardino.—Cox, S. F., Mech. San Bernardino Shops, A. T. & S. F. R. R.

San Diego.—Bacon, J. L., City Hall.

Judy, W. H., M. E., City of San Diego.

Longley, F. B., Major Aviation Section, S. O. R. C., Engr. Officer, Signal Corps Aviation Sch.

San Francisco.—Allen, A. P., Ch. Engr., Union Iron Wks. Co.

Armes, G. A., Engr-in-Ch., Union Iron Wks. Co.

Balzari, Robert A., Cons. Engr., Westinghouse Elec. & Mfg. Co.

Bare, B. (Jr.), Draftsman, Skandia Pac. Oil Eng. Co.

Baum, F. G., Cons. Engr., 1901-1902 Hobart Bldg.

Beattie, C. E. (Jr.), Engr., Simplex Refining Co.

Belcher, P. W. (Jr.), M. E., U. S. Engrg. Dept., War Dept.

Bennett, F., 2054 Hyde St.

Beuter, A. J., Tech. Sales Rep., Baldwin Loco. Wks.

Birkenbeul, C. E. (Jr.), Meese & Gottfried.

Borden, W. H. (Jr.), Mfgs. Sales Agt., Industrial Safety Devices, etc., 502 Mission St.

Braun, C. F., Pres., C. F. Braun & Co.

Britton, J. A., V. P., Genl. Mgr., Pac. Gas & Elec. Co.

Bruff, C. E., Bradley, Bruff & Labarthe.

Connor, H. R. (Jr.), M. E., Meese & Gottfried Co.

Cooper, F. F., Genl. Mgr., Olympian Dredging Co.

Cory, H. T., Cons. Engr., 702 Nevada Bank Bldg.

Cox, C. G., Dist. Mgr., McIntosh & Seymour Corp'n.

CALIFORNIA, San Francisco (Continued)

Cranston, R. E., Min. Engr., 437 Holbrook Bldg., and 60 Wall St.
New York, N. Y.

Crozier, H. W., Engr., Sanderson & Porter.

Davis, W. J. (Jr.), Pac. Coast Engr., Genl. Elec. Co.

Davol, G. K., M. E., 503 Market St.

Delany, C. H., Pac. Gas & Elec. Co.

Denny, O., Cons. Engr., 58 Sutter St.

Dickle, G. W., Cons. Engr., 24 California St.

Doble, W. A., Ch. Engr., Pelton Water Wheel Co.

Dorward, D. (Jr.), Cons. Engr., 407-408 St. Clair Bldg.

Dunn, K. G., V. P., Hunt Mirk & Co., Inc.

Eastman, S. G., West. Sales Mgr., Pratt & Whitney Co.

Edmondson, W. G., M. E. Division of Valuation, Interstate Commerce
Com.

Fitzsimmons, J. C., Sales Mgr., Stand. Oil Co.

Foley, W. J. (Jr.), M. E., San Francisco Bridge Co.

Francis, I. J., Genl. Coast Sales Agt., John A. Roebling's Sons Co. of
Cal.

Gibson, A., Cons. Engr., 1022 Haight St.

Gorham, W. R. (Jr.), Mgr., Gorham Engrg. Co.

Gunn, C. M., Member of Firm, Woods, Huddart & Gunn.

Hanscom, W. W., Cons. Engr., 848 Clayton St.

Hansen, J. H., Mgr. J. H. Hansen & Co.

Harvey, R. P., Sales Engr., Concrete Form Co., Inc.

Henes, L. G., Mch. Shop Equip., Rm. 1037 Monadnock Bldg.

Henry, G. J., Cons. Hyd and M. E., 737 Rialto Bldg.

Hopps, J. H., Cons. Engr., 503 Market St.

Howard, H. S., Engr., 601 Holbrook Bldg.

Hoxie, V. W., Marine Dept., Babcock & Wilcox Co.

Hudson, R. A. (Jr.), Partner, Hunter & Hudson.

Hurst, G. L., Mgr. Dredging Dept., Union Iron Wks. Co.

Hutchinson, C. T., V. P., Genl. Mgr., Min. & Scientific Press.

Hutchinson, E. C., Mgr. Engrg & Sales, Pelton Water Wheel Co.

Jaschka, J. H., Sales Agt. West. Territory, Natl. Malleable Castings Co.

Jones, E. C., Ch. Engr. Gas Dept., Gas & Elec. Co.

Jones, L. B. (Jr.), Asst. Engr. Gas Dept., Pac. Gas & Elec. Co.

Kessler, C. H., Senior M. E. Div. of Valuation, Interstate Commer.
Comm.

Knox, S. L. G., Cons. Engr., 544 Market St.

Lamb, H. M., Sr. M. E. Div. of Valuation, Interstate Commerce
Commission.

Leland, W. E., Cons. M. E., Leland & Haley.

Lindquist, E. W., Dist. Mgr., Allis-Chalmers Mfg. Co.

McLaren, A. R., M. E., Pac. Gurney Elev. Co.

Maloney, G. B., Ch. Engr., Asso. Pipe Line Co.

Markey, H. S., City Elec. Co.

Meredith, W., Member of Firm, Sanderson & Porter, 909 Nevada Bank
Bldg.

Mirk, T., Pres., Hunt, Mirk & Co., Inc.

Moore, R. S., Treas., Moore & Scott Iron Wks.

Morrin, T., Cons. M. E., Morrin & Coddington.

Murray, W. E., Refinery Mgr., West. Sugar Refining Co.

Noble, P., Pres., Pac. Rolling Mill Co.

Paulsmeier, A. C., V. P., Ch. Engr., Byron Jackson Iron Wks.

Plant, J. W., Sales Engr., Am. Manganese Steel Co.

Potbury, A. H., M. E., Robert Dalzel, Jr., 218 First St.

Pullen, R. R., Mech. Engr., R. O. T. C., Company 5.

CALIFORNIA, San Francisco (Continued)

Quinn, E. O., 503 Market St.
 Ransom, T. W., Cons. Engr., 1104 Merchants Exch. Bldg.
 Rasovich, M. B., Cons. Engr., Speel River Power Co.
 Reardon, P. H., Owner, 57 First St.
 Rix, E. A., Pres., Rix Compressed Air & Drill Co.
 Rogers, E. A. (Jr.), Mech. Engr., Palace Hotel Co.
 Rogers, J. D. (Jr.), Captain Russian Ry. Serv. Corps, care of Williams, Simon & Co.
 Rolph, G. M., Genl. Mgr., California & Hawaiian Sugar Refining Co.
 Rowley, R. L., Engr., Bd. of Fire Underwriters of Pac.
 Schwab, G. (Jr.), Cons. Engr., 525 Market St.
 Selser, T. W., M. E., Interstate Commerce Com. of U. S. Gov.
 Shattuck, C. H. (Jr.), Mech. Engr., C. F. Braun & Co.
 Shreve, E. O., Asst. Local Mgr. Genl. Elec. Co.
 Sibley, R., Editor, Journal of Electricity, Crassley Bldg.
 Signarowitz, F. J., Pump Engr., The Pelton Water Wheel Co.
 Simon, C. S. (Jr.), Asst. Master Mech. Pacific Gas & Elec. Co.
 Small, F. W., Generating Dept., Pac. Gas & Elec. Co.
 Smith, C. W. (Jr.), U. S. Army Reserve Officer's Training Camp.
 Stillman, H. M. E., Engr. of Tests, So. Pac. Co.
 Stoddard, C. H., Ch. Engr., Moore & Scott Iron Wks.
 Stoddard, E., V. P., Chas. C. Moore & Co., Engrs.
 Terwilliger, H. L., Secy., Genl. Mgr., Ingersoll-Rand Co. of Cal.
 Von Phul, W., Mem. of Firm, Ford, Bacon & Davis.
 Weymouth, C. R., Ch. Engr., Chas. C. Moore & Co. Engrs.
 Whitney, H. A., Engr., State R. R. Com.
 Whitney, L. D. (Jr.), V. P., Leslie Salt Refining Co.
 Whittlesey, J. T., Cons. Engr., Claus Spreckels Bldg.
 Wood, D., Asst. M. E. and Engr. of Tests, South. Pac. Co.
 Wright, W. Q., Mln. and C. E., 731 Merchants Exch. Bldg.

San Jose.—Carter, W. D., Capt., O. O. R. C.

San Leandro.—Grothe, W., Engr., C. L. Best Gas Traction Co.

San Pablo.—Forsburg, H. A., Genl. Supt. Stand. Oil Co. of Cal.

San Pedro.—Naphtaly, S. L., V. P. & Gen. Mgr., Los Angeles Shipbuilding & Dry Dock Co.

Slaughter, W. B. (Jr.), M. E., Supt., Marine Mech. Wks.

Sierre Madre.—Key, J. F., Pres., Key Adding Mch. Co.

South Pasadena.—Lacy, R. W. (Jr.), Garfield and Oak Sts.

Stanford University P. O.—Cross, C. N., Asst. Prof. M. E., Leland Stanford Jr. Univ.

Cutter, L. E., Asst. Prof. M. E., Leland Stanford Jr. Univ.

Durand, W. F., Prof. M. E., Leland Stanford Jr. Univ.

Eckart, W. R., Prof. M. E., Leland Stanford Jr. Univ.

Leh, C. F. (Jr.), Leland Stanford Jr. Univ.

Lesley, E. P., Asst. Prof. M. E., Leland Stanford Jr. Univ.

Marx, G. H., Prof. Mch. Design, Leland Stanford Jr. Univ.

Stockton.—Bond, J. M., Fdy. Engr., Holt Mfg. Co.

Colahan, C., Holt Mfg. Co.

Holt, C. P., Treas., Holt Mfg. Co.

CALIFORNIA, Stockton (Continued)

Holt, P. E., V. P., Holt Mfg. Co.
 Kastler, E. L. (Jr.), Ch. Engr., Holt Mfg. Co.
 Kessing, A. F., Supt. Cost Dept., Holt Mfg. Co.
 Mayall, E. L., Asst. Factory Mgr., Holt Mfg. Co.
 Northeroft, J. F. S. (Jr.), 611 Commercial and Savings Bldg.
 Robertson, D. M., Ch. Draftsman, Holt Mfg. Co.
 Springer, R. S., V. P., Holt Mfg. Co.
 Weeks, P., M. E., 1045 N. Madison St.
 White, H. C., Genl. Factory Mgr., Holt. Mfg. Co.

South San Francisco.—White, Herbert A., Shaw-Batches Ship Bldg. Co.

Taft.—Moeller, W. (Jr.), Ch. Engr., Midway Gas Co.

Torrance.—Goeser, E. W., Ch. Engr., Union Tool Co.

Vallejo.—Reed, J. (Jr.), Naval Constr., U. S. N., Mare Island Navy Yard.

Victorville.—Gilbert, L. D., Wks. Mgr. and Engr., South Portland Cement Co.

Visalia.—Cary, J. W. (Jr.), Patrolman's Helper, Pac. Light & Power Corp'n.

West Berkeley.—Wyman, L. W., Estimator and Designer, California Corrugated Culvert Co.

Whittier.—Abbey, A. B., Constr. Engr., Producing Dept., Stand. Oil Co. of Cal.

McLaren, G. C. (Jr.), M. E., Stand. Oil Co.

Willow, Glenn Co.—Domonoske, A. B., Farming.

CANAL ZONE

Balboa.—Plank, W. J. (Jr.), Draftsman, Mech. Div., Panama Canal.

Balboa Heights.—Rowe, H., Resident Engr., Panama Canal.

Fort Sherman.—Piccard, J. E. (Jr.), 1st Lieut., Coast Artillery Corps, U. S. Army.

Paraiso.—Black, C. A., Supt. Dredging, Div. Panama Canal.

MacFarlane, J., Supt. of Dredging.

Williams, L. E., Ch. Draftsman, Dredging Div., Panama Canal.

COLORADO

Boulder.—Hunter, J. A., Prof. M. E., Univ. of Colo.

Colorado Springs.—Moen, L., Antlers Hotel.

Denver.—Allen, C. H. (Jr.), Mill Designer, Dorr Co.

Anderson, A. E., Ch. Engr., Intermountain Ry., Light & Power Co.

Anderson, E. C., M. E., Colo. & So. Ry. Co.

Baker, F. D., Ch. Engr. Am. Smelting & Refining Co.

Billington, R. V. (Jr.), Asst. Engr. and Designer, Genl. Ordnance Co.

Bridenbaugh, E. H., Supt. Jackson Compressor Co.

Carson, L. T., Asst. Ch. Engr., Great West. Sugar Co.

COLORADO, Denver (Continued)

Chevalier, LaR. B., Supt., United Iron Wks. Co.
 Comstock, C. W., Cons. Engr., First Natl. Bank Bldg.
 Henderson, J. R., Mgr. Pueblo Wks., Stearns-Roger Mfg. Co.
 Johnson, A. T. (Jr.), Spec. Apprentice, Union Pac. R. R.
 McKennan, J. B. (Jr.), Genl. Mgr., Colo. Fuel & Iron Co.
 McPartland, M. B., M. M., Denver & Salt Lake Ry.
 Means, E. C., Mgr. Power-Ry. Dept., Westinghouse Elec. & Mfg. Co.
 Meserole, K. A. (Jr.), M. E., Stearns-Roger Mfg. Co.
 Moody, W. F., Designing Engr., 6 Boston Bldg.
 Nevill, D. J., M. E., Stearns-Roger Mfg. Co.
 Nichols, F. C., Engr., Statistical Dept., Great Western Sugar Co.
 Parce, J. Y., Dir. Shop Wk., Teacher Mch. Shop Wk., Mech. and Elec.,
 Manual Training H. S.
 Posselt, E., Cons. Engr., E. Posselt & Co.
 Reilly, W. J., Dist. Sales Mgr., Babcock & Wilcox Co.
 Salisbury, R. D., Constr. Engr., 1415 E. Colfax Ave.
 Sawyer, W. D. (Jr.), Designing Draftsman, Great West. Sugar Co.
 Shepard, F. E., Pres., Denver Engrg. Wks.
 Sinsheimer, S. W., V. P., Genl. Mgr., Holly Sugar Corpn.
 Skinner, J. D., Engr., 1002 Gas and Elec. Bldg.
 Stearns, T. B., Min. and M. E., 1720 California St.
 Thomas, D. G., Ch. Engr., Denver Union Water Co.
 Wallace, J. H., Engr., West. Chem. Mfg. Co.
 Wilkinson, T. L., Cons. Engr., 407 Boston Bldg.
 Withrow, P. C., M. E., Denver & Rio Grande R. R. Co.

Florence.—Rouse, J. E. (Jr.), Still Foreman, United Oil Co.

Fondls.—Good, E. B. (Jr.).

Fort Collins.—Aldrich, W. S., Assoc. Prof. E. E., State Agri. College.
 Crain, L. D., Prof. M. E., State Agri. College
 Lawrence, J. W., Prof. M. E., State Agri. College.

Pueblo.—Bissell, A. W. (Jr.), Asst. Supt., Wire Mill, Colo. Fuel & Iron Co.

Swink.—Bullen, A. C. (Jr.), Genl. Engr., Holly Sugar Co.

Trinidad.—Maynz, T. (Jr.), Constr. Supt., Trinidad Elec. Transmission Ry. & Gas Co.
 McClintock, C. H. (Jr.), Constr. Engr., Trinidad Elec. Trans., Ry. & Gas Co.

CONNECTICUT

Ansonia.—Bowen, D. R., Ch. Engr., Farrel Fdy. & Mch. Co.
 Edwards, W. B., M. E., S. O. & C. Co.
 Schneller, G. O., Secy., Treas., Ansonia O. & C. Co.
 Whitney, W. F., Ch. Engr., Am. Brass Co.

Bantam.—Edwards, H. H. (Jr.), V. P., Bantam Ball Bearing Co.
 Rogers, W. S., Pres., Bantam Anti-Friction Co.

Berlin.—Jarvis, C. M.

Branford.—Hammer, A. E., Treas., Genl. Mgr., Malleable Iron Fittings Co.
 Pickop, G. B., Asst. Supt., Malleable Iron Fittings Co.
 Adams, Robt. B., Asst. Supt., Remington Arms Co.

CONNECTICUT (Continued)

Bridgeport.—Allgrunn, F. S., Process Engr., Remington Arms U. M. C. Co.

Armes, W. A., Plant Engrg. Supt., Lake Torpedo Boat Co.

Ball, C. P., Jr. (Jr.), Estimator, Bullard Mch. Tool Co.

Banks, F. R., Engr. of Equip. Commer. Div., Remington Arms Union Metallic Cartridge Co.

Bankwitz, F. E., Asst. Managing Engr., Fletcher Thompson, Inc.

Bedworth, A. H., Plant Engr., Remington Typewriter Co.

Begg, T. K., Mech. Supt. Mfg. Depts., Bridgeport Brass Co.

Bennett, J. A., Ch. Insp., Remington Arms Co.

Bentley, J. H., Bentley & Holmgren.

Best, W. E., Supt. of Mfg., Remington Arms Co.

Bilton, C. E., Pres., Stand. Mfg. Co.

Birdseye, G. K. (Jr.), Foreman, Bullet Dept., Remington Arms Union Metallic Cartridge Co.

Blackmer, W. H. (Jr.), Production Mgr., Electric Cable Co.

Brenzinger, J. V. P., Max Arms Mch. Co.

Breul, F. G., Owner, Mgr., Fred G. Breul Tool Wks.

Brewer, A., Supt. of Plant, Bridgeport Brass Co.

Briggs, L. E., M. E., U. S. Ordnance Dept., U. S. Ch. Insp. Mch. Guns, Remington Arms Union Metallic Cartridge Co.

Brown, E. K. (Jr.), Estimator, The Lake Torpedo Boat Co.

Brown, P., Supt., Am. Graphophone Co.

Bullard, D. B., M. E., Bullard Mch. Tool Co.

Bullard, E. P. (Jr.), Pres., Bullard Mch. Tool Co.

Camp, W. E. (Jr.), Scientific Management Engr. Yost Typewriter Wks., Remington Typewriter Co.

Card, F. M., 116 Edna Ave.

Clark, W. R., M. E., Bridgeport Brass Co.

Connolly, J. H., M. E., Remington Arms & Ammunition Co.

Coulter, J. V. P., Automatic Mch. Co.

Crocker, E. B., M. E., Ashcroft Mfg. Co., Consld. Safety Valve Co.

Cutler, M. E. (Jr.), Supv. Engr., Hamilton & DeLoss, Inc.

Davis, E. P., Supt., Modern Mfg. Co.

Donath, W. T. (Jr.), Asst. to Supt of Production Remington Arms Union Metallic Cartridge Co.

Dunbar, R. H. (Jr.), M. E., Am. Tube & Stamping Co.

Ellingham, R. W., Sales Mgr., Bilton Mch. Tool Co.

Estwing, E. O., Management Engr. Bridgeport Wks., Remington Typewriter Co.

Feicht, E. R., Asst. Supt. of Plant, Bridgeport Brass Co.

Fisher, S., Research Engr., Bridgeport Brass Co.

Fletcher, E. L., Fletcher-Thompson, Inc.

Forgy, J. E., Pur. Agt., Locomobile Co. of Am.

Fowler, W. S. (Jr.), 1st Lieut. O. O. R. C., Production Officer, Remington Bridgeport Wks.

Franket, W. F. (Jr.), Engr., Remington Arms Union Metallic Cartridge Co.

Fray, G. H., Asst. to M. E., Bridgeport Brass Co.

Gamon, E. E. (Jr.), Asst. Equipment Engr., Remington Arms-Union Metallic Cartridge Co.

Gibbs, P. H. (Jr.), Ch. Insp., Ashcroft Mfg. Co.

Hands, R. C., 1st Lieut., Ord. R. C., 400 Ogden St.

Hansen, A., Efficiency Engr., Crane Co.

Harris, H. E., Pres., Genl. Mgr., H. E. Harris Engrg Co. and Hubbard & Harris, Cons. Engrs.

CONNECTICUT, Bridgeport (Continued)

- Hanks, H. M., Ch. Insp., Bridgeport Brass Co.
 Hubbard, F. G., V. P., H. E. Harris Engrg. Co.
 Johnson, E. A., Equip. Engr., Remington Arms Union Metallic Cartridge Co.
 Johnson, J. F., Supt. State Trade Sch.
 Keating, D. A., Mech. Supt. Am. Tube & Stamping Co.
 Kellogg, C. D. H. (Jr.), 1st Lieut. Ord. Dept., Small Arms Div.
 Kenfield, L. E., Ch. Tool Designer, Locomobile Co. of Amer.
 Kenyon, F. G., Designing Dept., Remington Arms Union Metallic Cartridge Co., Bridgeport Wks.
 Kingsbury, J. G., Pres., Treas., Grant Mfg. & Mch. Co.
 Lange, P. H., Ch. Engr., Max Ams Mch. Co.
 Macdonald, G. M., Ballistic Engrg., Remington Arms-Union Cartridge Co.
 MacGill, C. F., Wks. Engr., Bullard Engrg. Wks., Inc.
 McQuillan, J., M. E., Arms Plant, Remington Arms Union Metallic Cartridge Co.
 Malone, G. B., Foreman Remington Wks., Remington Arms Union Metallic Cartridge Co.
 Merkt, G. A., Ch. Engr., Am. Tube & Stamping Co.
 Mershon, J. W. (Jr.), M. E., Works Eng. Dept., Remington Arms.
 Miller, C. D. S., Pres., Am. Tube & Stamping Co.
 Moore, E. A., Mgr., Liberty Ord. Co.
 Mueller, J. L. (Jr.), M. E., Am. Chain Co., Inc.
 Newman, H. P. (Jr.), Foreman Rifle Bolt Dept., Remington Arms & Ammunition Co.
 Olson, G. B., Process Engr., Remington Arms Union Metallic Cartridge Co., Inc.
 Parker, A. R., Engr., Remington U. M. C. Co.
 Peirce, E. J. (Jr.), Employment Mgr., Bullard Engrg. Works, Inc.
 Persons, J. O., Wks. Engr., Remington Arms & Ammunition Co.
 Pigott, R. J. S., Supt. Raw Materials Dept., Bridgeport Brass Co.
 Pinney, H. H., V. P., Remington Arms Union Metallic Cartridge Co., Inc.
 Pleasanton, F. R., Asst. Wks. Mgr., Remington Arms Union Metallic Cartridge Co., Inc.
 Poirier, A. E. (Jr.), Draftsman, Am. Tube & Stamping Co.
 Riker, A. L., V. P., Ch. Engr., Locomobile Co. of Am.
 Rodney, K. R., Metallurgist, Bullard Mch. Tool Co.
 Roos, D. G., Asst. Ch. Engr., Locomobile Co. of Amer.
 Shafer, R. H., Mech. Supt., Bridgeport Brass Co.
 Schmeltzer, J. E., Production Mgr., Lake Torpedo Boat Co.
 Smith, T. A., M. E., Wks. Engr's Dept., Remington Arms Union Metallic Cartridge Co.
 Sonn, G. P., Engr., Bridgeport Brass Co.
 Stansfield, F. H., Supvr. Efficiency Wk., Bridgeport Brass Co.
 Stoll, J., Jr. (Jr.), Instr. in Apprentice Dept., Remington Arms & Ammunition Co. Inc.
 Sweet, S. H., Ch. Engr., Stand. Oil Eng. Co.
 Thomas, G. B., M. E., Designer Bryant Elec. Co.
 Toucey, R. E. (Jr.), Bridgeport Brass Co.
 Van Yox, J. H., Jr., Mgr. Fdy., Bullard Mch. Tool Co.
 Veness, A. E., Production Mgr., Am. Chain Co., Inc.
 Warner, C. L., Pres., Genl. Mgr., Balrd Mch. Co.
 Webster, W. R., V. P., Genl. Supt., Bridgeport Brass Co.
 Wells, H. E., Supt. Tool Div., Remington Arms U. M. C. Co.

CONNECTICUT, Bridgeport (Continued)

Williams, J., Jr., Wks. Mgr., Bridgeport Wks., Remington Arms Union
Metallic Cartridge Co.
Zacharias, E. O., Process Engr., Remington Arms U. M. C. Co.

Bristol.—Adams, L. D., Mgr. Mill Dept., Wallace Barnes Co.
Benjamin, H. L. (Jr.), Mech. Engr., New Departure Mfg. Co.
Hughes, F. G., Asst. Genl. Mgr., New Departure Mfg. Co.
Lattin, A. N., Mech. Supt., New Departure Mfg. Co.
Romer, A. J., Sales Engr., New Departure Mfg. Co.; Cons. Engr.,
Kershaw Corp'n, Fireman's Bldg., Newark, N. J.
Vuilleumier, A., Asst. Supt. Ball Plant, New Departure Mfg. Co.
Warner, D. K. (Jr.), Efficiency Engr., New Departure Mfg. Co.
Wilder, F. E., Ch. Draftsman, New Departure Mfg. Co.
Wilson, H. B., Efficiency Engr., New Departure Mfg. Co.
Woodruff, C. A., New Departure Mfg. Co.

Buckland.—Pickles, J. F., with W. F. Pickles.

Chester.—Brooks, M. G. (Jr.), Partner, M. S. Brooks & Sons.

Collinsville.—Hill, W., Pres., Collins Co.

Darien.—Wells, G. A., Fair Oaks Farm.

Derby.—Gordon, W. A., Genl. Supt. Birmingham Iron Fdy.
Hooker, O. W., Draftsman, Birmingham Iron Fdy.
Huson, W. S., M. E., 12 Cottage St.
Keeler, E. H. (Jr.), Engr. Ousatonic Water Power Co.
Thomas, R. H. (Jr.), Engrg. Dept., Birmingham Iron Fdy.

East Haddam.—Lichtenstein, V. (Jr.), Supt., Fish Net & Twine Co.

Glenbrook.—Emery, A. H., C. and M. E.

Grosvenordale.—Arnold, W. S., M. M., Ch. Engr., Grosvenordale Co.

Groton.—Anderson, J. W. (Jr.), Engr., Elec. Boat Co.
Bowen, A. F., Asst. to Genl. Mgr., New London Ship & Eng. Co.
Davison, G. C., V. P., Elec. Boat Co.
Haynes, J. L. (Jr.), Draftsman, Elec. Boat Co.
Mahoney, J. A. (Jr.), Leading Draftsman Engine Div., Elec. Boat Co.
Mayo, J. B., Checker Eng. Drafting Rm., Elec. Boat Co.
Spear, L. Y., V. P., Elec. Boat Co.

Hartford.—Allen, F. B., P. P., Hartford Steam Boiler Inspec. & Ins. Co.
Anthony, G. H. (Jr.), Supt. Allen Mfg. Co.
Arnold, A. A., Wks. Mgr., Underwood Computing Mch. Co.
Baldwin, H. G., Supt., S. K. F. Ball Bearing Co.
Barden, J. C., Assoc. Dir. Bureau Inspec. & Accident Prevention, Aetna
Life Ins. Co.
Beakey, P. J., Supvr. Type Dept., Royal Typewriter Co.
Beekley, W. C., Asst. Treas., Whitlock Coil Pipe Co.
Belcher, W. J., Factory Mgr., Whitney Mfg. Co.
Billings, C. E., Pres., Billings & Spencer Co.
Billings, F. C., Pres., Genl. Mgr., Billings & Spencer Co.
Blake, C. S., Pres., Hartford Steam Boiler Inspec. & Ins. Co.
Blakeman, S. P. (Jr.), 1 Wethersfield Ave.
Bond, G. M., M. E., 69 Washington St.

CONNECTICUT, Hartford (Continued)

- Breslav, J. (Jr.), Sales Engr., Terry Steam Turbine Co.
 Brown, L. H., M. E., Travelers Ins. Co.
 Burrill, A. S., Ch. Draftsman, Pratt & Whitney Co.
 Burtzell, B. W., Cons. Engr.
 Calderwood, J. P. (Jr.), Engrg. and Inspec. Div., Travelers Ins Co.
 Chamberlain, W. F., Supt. Group Div., Travelers Ins Co.
 Cherry, J. D., Sales Mgr., The Roto Co.
 Church, M. D., Ch. Engr., Terry Steam Turbine Co.
 Cook, C. B., V. P., Royal Typewriter Co.
 Corbett, W. B. (Jr.), Draftsman, Terry Steam Turbine Co.
 Cronan, C. B. (Jr.), Tool Designer, Pratt & Whitney Co.
 Crosby, E. H., Genl. Supt., Veeder Mfg. Co.
 Darlington, P. J., Pres., Roto Co.
 Dart, H. E., Supt. Engrg. Dept. Hartford Steam Boiler Inspec. & Ins. Co.
 De Lany, G. S., Taylor & Fenn Co.
 Dowd, B. J., Supvr. of Planning, Royal Typewriter Co.
 Eales, W. P., Asst. Supt. Engrg. and Inspec. Div., Travelers Ins. Co.
 Echols, F. G., Mgr. Small Tools Dept., Pratt & Whitney Co.
 Ebbets, C. J., M. E., Pat. Expt., Colt's Pat. Fire Arms Mfg. Co.
 Fisher, J., Ch. Engr. Hartford Dist., Conn. Co.
 Flynn, M. H., Supt. Royal Typewriter Co., Inc.
 Gardiner, W. B., Genl. Supt., Abbott Ball Co.
 Gromann, C. L., Ch. Engr., Pratt & Whitney Co.
 Hanson, B. M. W., V. P., Genl. Mgr., Colt's Patent Fire Arms Mfg. Co.
 Harter, C. J., M. E., Pratt & Whitney.
 Hoagland, F. O., Asst. Wks. Mgr., Pratt & Whitney Co.
 Honiss, W. H., M. E., Pat. Atty., 60 Prospect St.
 Honywill, A. W., Jr., Supt. of Erection, Terry Steam Turbine Co.
 Howard, C. P., Pres., James L. Howard & Co.
 Howard, F. E., Secy., James L. Howard & Co.
 Hunter, J. S., 423 Washington St.
 Jacobs, A. I., Pres., Jacobs Mfg. Co.
 Jacobs, W. S., Treas., Walton Co.
 Jeter, S. F., Ch. Engr., Hartford Steam Boiler Inspec. & Ins. Co.
 Joy, J. (Jr.), M. E., Peter A. Frasse & Co.
 King, E. L., Secy., Pratt & Cady Co.
 Knox, C. M. (Jr.), Mgr., Sanitary Laundry Co.
 Long, G. A., Genl. Mgr., Gray Telephone Pay Sta. Co.
 Lorenz, W. A., M. E., W. A. Lorenz & E. H. Lorenz.
 MacDonald, K., Ch. Draftsman, Terry Steam Turbine Co.
 Maxim, H. P., Pres., Maxim Silencer Co.
 Merritt, J., Secy., Mgr., Hartford Spec. Mch. Co.
 Muller, R. O., Asst. Ch. Engr., Terry Steam Turbine Co.
 Neilson, F. C., Asst. Inspr. Engrg. Material Bureau of Steam Engrg., Navy Dept.
 Newton, C. E., Pres., Genl. Mgr., Jewel Belting Co.
 Pratt, L. W. (Jr.), Safety Inspr., Aetna Life Ins. Co., Bureau of Inspec. and Accident Prevention.
 Quint, A. D., Mgr., Turret Drill Co.
 Rainey, C. S. (Jr.), Supvr. Small Tool Design, Pratt & Whitney Co.
 Rice, C. D., Mgr. of Factory, Underwood Typewriter Co.
 Risteen, A. D., Dir. Tech. Research and Safety Publication Wk., Travelers Ins. Co. and Travelers Indemnity Co.
 Rossberg, C. A. (Jr.), Ch. Draftsman, Veeder Mfg. Co.
 Sachs, J., V. P., Genl. Mgr., Sachs Laboratories, Inc.
 Schildge, G. K., Supt., Mch. Dept., Taylor & Fenn Co.

CONNECTICUT, Hartford (Continued)

Smith, B. M., Ch. Draftsman, Colt's Patent Fire Arms Mfg. Co.
 Smith, P. C. (Jr.), Production Mgr., Hart & Hegeman Mfg. Co.
 Snow, N. L. V. P., Terry Steam Turbine Co.
 Spencer, I. H., Pres., Spencer Turbine Cleaner Co., V. P., Organ Power Co.
 Sponsel, C. W., Pres., Treas., Sponsel Co.
 Stephen, C. W., M. E., Pratt & Cady Co.
 Thompson, F. S., Ch. Engr., Hartford Mch. Screw Co.
 Thompson, J. L., Supt., Engrg. and Inspc. Div., Travelers Ins. Co.
 Townsend, H. P. (Jr.), Secy., Genl. Mgr., H. P. Townsend Mfg. Co.
 Trinder, F. J., State Supvr. Trade Education, Conn. State Bd. of Education.
 Trotter, H. R., M. E., S. K. F. Ball Bearing Co.
 Veeder, C. H., Pres., Veeder Mfg. Co.
 Whitney, A., Secy., Treas., Whitney Mfg. Co.
 Whitney, C. E., Pres., Genl. Mgr., Whitney Mfg. Co.
 Woodcock, J., Wks. Mgr., Pratt & Cady Co.

Mechanicsville.—Eberhardt, John D., M. E., French River Textile Co.
 Kendrick, A. F. (Jr.), M. E., French River Textile Co.

Meriden.—Brotherhood, R. S., Asst. Engr., Intl. Silver Co.
 Cashen, H. C., M. M., Bradley & Hubbard Mfg. Co.
 Decherd, C. K., M. M., Factory E, Internatl. Silver Co.
 Flagg, C. N., Jr., Pres., C. N. Flagg & Co., Inc.
 Hutchinsonson, J. A., Ch. Engr., Intl. Silver Co.
 Johnson, J. A., Mech. Supt., M. B. Schenck Co.
 Johnson, J. E., Supt. Mech. Dept., Connecticut Telephone & Elec. Co.
 Johnson, N. C., Secy., Foster Merriam & Co.
 Lawton, B. L., Treas., Conn. Tel. & Elec. Co., Inc.
 King, W. A., Wks. Mgr., Parker Bros.
 Millard, R. W., Pres., Genl. Mgr., Foster, Merriam & Co.
 Robinson, E. A., M. E., Internatl. Silver Co.
 Rowntree, F. L., Mfg. Supt., Foster, Merriam & Co.
 Wood, F. L., Supt., Aeolian Co.

Middletown.—Barry, J. J. (Jr.), M. E., 67 Main St.
 Lindquist, E. A., Supt., W. & B. Douglas.
 Wilcox, R. M., C. E., City Engr., Bldg. Inspr., Municipal Bldg.

Milford.—Illmer, L., Gas and Oil Eng. Expt., 6 Cherry St.
 Lake, S., Pres., Lake Submarine Co.

Milldale.—Persiani, C. C., Treas., Clark Bros. Bolt Co.

Naugatuck.—Baker, J. C. W., M. M., Rubber Regenerating Co.
 Payne, S. F., M. E., Goodyear's M. R. Shoe Co.

New Britain.—Brown, R. S., Secy., New Britain Mch. Co.
 Burgess, C. M., 358 W. Main St.
 Churchill, F. L. (Jr.), Exper. and Testing Dept., Fafnir Bearing Co.
 Cooper, E. H., Treas., Fafnir Bearing Co.
 Dyson, E. E. (Jr.), Mech. Draftsman, New Britain Machine Co.
 Fletcher, J. R., Genl. Supt., P. & F. Corbin Mfg. Co.
 "Forcé, H. H., Ch. Engr., Ch. Elec., Stanley Wks.
 Fox, R. H. (Jr.), Exper. Engr., Fafnir Bearing Co.
 Goodwin, E. C., Asst. Treas., Hart & Cooley Co.
 Goss, S. T., Mch. and Automatic Dept., New Britain Mch. Co.

CONNECTICUT, New Britain (Continued)

Hare, C. R., Supt. Production, New Britain Mch. Co.
 Hart, H. S., Pres., Hart & Cooley Co.
 Hewitt, C. T., Metallurgist, Test. Engr., Fafnir Bearing Co.
 Hulme, P. A., 601 Arch St.
 Jones, H. K., Mech. Supt., Am. Hardware Corp.
 Norris, C. H., M. E., Am. Hardware Corp.
 Pelton, E. W., Supt. Power and Constr., Stanley Wks.
 Schubert, A., Ch. Draftsman, New Britain Mch. Co.
 Stanley, A. W., Pres., Stanley Rule & Level Co.
 Stinson, I. J., Estimator, The B. H. Hibbard Constr. Co., 153 Arch St.
 Stone, E. B. (Jr.), Wks. Mgr., Corbin Cabinet Lock Co.
 Svensson, J. A., M. E., New Britain Mch. Co.

New Hartford.—Watson, F. (Jr.).**New Haven.—Anderson, R. E., Industrial Engr., Winchester Repeating Arms Co.**

Baird, J. T. (Jr.), 56 Ellsworth Ave.
 Bardo, B. F. (Jr.), Inspr. Power Plants, N. Y., N. H. & H. R. R. Co.
 Barnum, G. S., Pres., Bigelow Co.
 Barnum, S. H., Secy., Bigelow Co.
 Bean, W. L., Asst. to Genl. Mech. Supt., N. Y., N. H. & H. R. R. Co.
 Bigelow, P. (Jr.), Treas., Bigelow Co.
 Bodine, A. V. (Jr.), M. E., Industrial Engrg. Staff Winchester Repeating Arms Co.
 Boyer, F. Q., First Lieut., 2nd U. S. Engrs.
 Breckenridge, L. P., Prof. M. E., Yale Univ.
 Brown, H. A. (Jr.), Winchester Repeating Arms Co.
 Buxbaum, W., Production Supt. Tool Dept., Winchester Repeating Arms Co.
 Colvin, D. W. (Jr.), Mfg. Engrs. Dept., W. R. A. Co.
 Davis, Calvin E., Power Dept., Conn. Co.
 Dowd, J. H., Asst. to Mfg. Engr., Winchester Repeating Fire Arms Co.
 Englehart, R. J., Planner, Investigator, Gun Dept., Winchester Repeating Arms Co.
 Frauenberger, C. F., Planning Supvr., Winchester Repeating Arms Co.
 Germain, J. N., Planner, Winchester Repeating Arms Co.
 Greene, A. E., Supt., Power Dept., Winchester Repeating Arms Co.
 Greist, H. M., Secy., Supt., Asst. Genl. Mgr., Greist Mfg. Co.
 Hemmerly, W. D., Scientific Management, 310 Yale Ave.
 Henney, J., Duncan Hall.
 Hopkins, A. T., P. O. Box 1534.
 Hotchkiss, W. A., Winchester Repeating Arms Co.
 Hoyt, F. W. (Jr.), Industrial Engrg., Winchester Repeating Arms Co.
 Hubbard, G. M. C. (Jr.), Box 862, Yale Sta.
 Jack, R. D., Cost Div. Head, Winchester Repeating Arms Co.
 Jewett, A. C., Supt. of Production Cartridge Dept., Winchester Repeating Arms Co.
 Johnson, F. A., Cons. M. E. and Patent Atty.
 Johnson, W. B., Vandyck-Churchill Co.
 Knous, F. F., 265 Bassett St.
 Lane, A. H., M. E., East Mchy. Co.
 Lees, K. F. (Jr.), Ch. Engr., Greist Mfg. Co.
 Lockwood, E. H., Asst. Prof. M. E., S. S. S., Yale Univ.
 Longwell, H. E., Genl. Mgr., Westinghouse Air Spring Co.

CONNECTICUT, New Haven (Continued)

- Lynch, A. S., Supvr. of Inspc., Winchester Repeating Arms Co.
 MacArthur, R. (Jr.), M. M., Sargent & Co.
 Mackenzie, G. E., Winchester Repeating Arms Co.
 Mackintosh, F. L., Supt. Tool Dept., Winchester Repeating Arms Co.
 Marshall, W. C., Capt., Ord. Dept., U. S. R., Winchester Repeating Arms Co.
 Metzger, E. E., Genl. Supt., Geometric Tool Co.
 Miller, L. H. (Jr.), Asst. Supt., Am. Steel & Wire Co.
 Norcross, J. A., Secy., Treas., New Haven Gas Light Co., V. P., Derby Gas Co.
 North, H. B., Supt., Sentinel Mfg. Co.
 Otterson, J. E., First V. P., Genl. Mgr., Winchester Repeating Arms Co.
 Pancoast, F. L., Capt. Ord. Dept., U. S. R., 63 Fountain St.
 Parsell, R. L. (Jr.), Asst. Industrial Engr., Winchester Repeating Arms Co.
 Patton, T. A., First Lieut., Ord. Dept., U. S. R.
 Porter, C. T. (Jr.), Instr. M. E., Yale Univ.
 Pugsley, E. (Jr.), Mfg. Engr., Winchester Repeating Arms Co.
 Reuter, F. J. G., Equip. and Method Engr., Winchester Repeating Arms Co.
 Richards, C. B., Prof. Emeritus, M. E., Yale Univ.
 Ripple, P. W., 271 Sherman Ave.
 Roe, J. W., Asst. Prof. Mch. Design, S. S. S., Yale Univ.
 Sargent, H. B., Pres., Sargent & Co.
 Scott, C. F., Prof. E. E., S. S. S., Yale Univ.
 Scott, W. D., New Haven Gas Light Co.
 Seward, H. L., Asst. Prof. M. E., S. S. S., Yale Univ.
 Sharpe, G. H., Ch. Engr., Westcott & Mapes, Inc.
 Shaw, H. G. (Jr.), Mem. of Shop. Com., Sargent & Co.
 Simpson, G. P., Supt., Oven Equip. & Mfg. Co.
 Smith, A. L. (Jr.), Ch. Mech. Draftsman, Westcott & Mapes.
 Sorrow, W. J., Supt. Production Plant Dept., Winchester Repeating Arms Co.
 Starr, A., Ch. Gage Inspcr., Winchester Repeating Arms Co.
 Stone, J. W., Treas., Mgr., East. Mchy. Co.
 Storrs, L. S., Pres., Conn. Co.
 Tabor, W. H. (Jr.), Installation of Scheduling, Winchester Repeating Arms Co.
 Taylor, E. N. (Jr.), Speed and Process Man, Winchester Repeating Arms Co.
 Tredwell, K. I., Production Engr.'s Staff, Winchester Repeating Arms Co.
 Underhill, C. R., 1214 Chapel St.
 Voight, H. G., Member Shop Com., Sargent & Co.
 Voos, F. W. (Jr.), Winchester Repeating Arms Co.
 Waters, E. O. (Jr.), Instr. Mch. Design, S. S. S., Yale Univ.
 Webb, T. M., Ch. Draftsman, Grant Hammond Mfg. Corp.
 Webster, J. S., M. E., New Haven Boiler Wks.
 Westcott, H. R., Pres., Westcott & Mapes.
 Wilcox, H. M. (Jr.), Industrial Engr., Winchester Repeating Arms Co.
 Wildin, G. W., Mech. Supt., N. Y., N. H. & H. R. R.
 Withington, S., Acting E. E., N. Y., N. H. & H. R. R.
 Wootton, H. C., Supvr., Winchester Repeating Arms Co.
 Wright, P. D. (Jr.), Lab. Asst. in Mech. Engrg., S. S. S., Yale Univ., Mason Lab.
 Wyant, R. E., Engr., New Haven Gas Light Co.

CONNECTICUT (Continued)

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 Taylor, C. F. (Jr.), Inspr. of Airplanes, Signal Corps, U. S. A.
 Thomas, G. (Jr.), B. F. Sturtevant Co.
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 Thompson, P. W., Lieut., Ord. Dept., U. S. R., Inspr. of Ord., U. S. A., War Dept.
 Tower, G. L., Lieut. Ord. Dept., N. A., 7th and E Sts., N. W.
 Treat, S. W., First Lieut., U. S. R., Ordnance Dept., Trench Warfare Section.
 Van Brunt, E. S., Designer of Ordnance, War Dept.
 Verhey, H. C., Ch. Draftsman, Emergency Fleet Corp'n.
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 Westervelt, W. I., Col., U. S. Army Expeditionary Forces, care The Adjutant Genl. of Army.
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 Williams, H. J., 1st Lieut., Ord. Dept., U. S. R., Field Artillery Sec., Carriage Div.
 Woodbury, J. G., Major Ord. Dept., U. S. R., 1801 Eye St., N. W.
 Woods, S. H., Capt., Q. M. C., N. A., Military Truck Engrg. Sec., 205 Union Sta.
 Worthen, C. B., M. E., Ch. Inspr. A. and A. E., S. S. L., War Dept.
 Zach, L. M. (Jr.), Mech. Designer, Pub. Wks., Washington Navy Yard.
 Zimmerman, Capt. O. B., U. S. A., Engr. Depot, Washington Barracks.
 Zink, R. E. (Jr.), Capt., O. R. C., 1800 E St.

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Bradentown.—Winsor, P.

Daytona.—Rogers, C. M., C. E., 447 N. Beach St.

Gainesville.—Chandler, R. E., Prof. M. E., Univ. of Fla.

Jacksonville.—Baker, C. T., Ch. Engr., South. Utilities Co.

Bentley, E. W., P. O. Box 1070.

Cline, M., Engr., Commodores Point Term. Co.

Day, C. I. (Jr.), Genl. Mgr., So. Utilities Co.

Duncan, J. C., Capt., Q. M. U. S. R., Div., Quartermaster Corps Sch., U. S. A., Camp Joseph Johnston.

Freeman, L. D. (Jr.), Shop Supt., Seaboard Air Line Ry. Co.

Gibbs, G. W., Jr., Mfr., Gibbs Gas Eng. Co. of Fla.

Hatfield, E. R. (Jr.), Draftsman, U. S. Shipping Board Emergency Fleet Corp'n.

Imeson, C. V., 226 Hogan St.

Pablo Beach.—Lowry, G. A., Cons. Engr.

Pensacola.—Doyle, M. A., Second Lieut. of Engrs., U. S. Coast Guard Cutter "Penrose."

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Fellers, W. M., Ch. Aeronautic Draftsman, U. S. Navy Aeronautic Sta.

Pierce.—Connell, E. W. (Jr.), Asst. Ch. Engr. Power Plants, Am. Agri. Chem. Co.

Loomis, B., Jr., Mgr., Phosphate Rock. Dept., Am. Agri. Chem. Co.

Tillis, H. R. (Jr.), Ch. Engr., Phosphate Rock Dept., Am. Agri. Chem. Co.

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Coon, J. S., Prof. M. E., Supt. of Shops, Ga. Sch. of Tech.

Cowles, C. A., Jr., Ch. Engr., Atlantic Steel Co.

Cutler, J. B. (Jr.), Lieut., U. S. R., Battery E, 319th F. A., Camp Gordon.

Dallis, P. A., Capt., 2nd Battalion, 24th Engineers, Camp Dix, N. J.

Elsas, O., Pres., Fulton Bag & Cotton Mills.

Gragan, J. J., Sales Engr., Allis-Chalmers Mfg. Co.

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Hall, R. B., Jr., Southeastern Mgr., Ames Iron Wks., Consld. Engrg. Co.

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 McGahey, C. R., Aragon Hotel.
 Mahoney, J. C., Dist. Turbine Insp., Genl. Elec. Co.
 Neely, F. H., Industrial Engr., Fulton Bag & Cotton Mills.
 Neville, W. J., Sales Mgr., Chapman Valve Mfg. Co.
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 Robert, L. W., Jr., Robert & Co.
 Solomon, G. R., Cons. Engr., Solomon-Norcross Co.
 Scott, E. F., Contr. M. E., Mchy. Agt., 707 Candler Bldg.
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 Vallance, A., Asst. Prof. Exper. Engrg., Ga. Sch. of Tech.
 Wagner, C. F., Capt. Engrs., U. S. R., Camp Gordon.
 Weiss, H. A. (Jr.), Asst. Prof. Drawing, Ga. Sch. of Tech.
 Williams, S. S., Signal Serv., U. S. A.

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 Nichols, M. T., V. P., Genl. Mgr., Atlantic Paper & Pulp Corp'n.
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- Allen, J. M., Genl. Supt., R. H. & G. A. McWilliams, 1111 McCormick
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- Anderson, A. H., Assoc. Prof. Exper. Engrg., Armour Inst. of Tech.
- Anderson, O. A. (Jr.), M. E., Armour & Co.
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- Bancker, J. W., Asst. Genl. Supt., West. Elec. Co., Inc.
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- Barnes, W. E., Pres., Treas., Consld. Engrg. Co.
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Bunge, R. W. (Jr.), Wm. H. Bunge Co., M. E. Fleischmann Co.

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Carter, H. W., Mech. Expt., 635 Monadnock Bldg.

Carter, W. C., Supt., Link-Belt Co.

Case, M. M., M. E., 116 S. Michigan Ave.

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Clark, A. L., Supt. Foundries, Am. Brake Shoe & Fdy. Co.

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Pullman.

Clayton, J. P. (Jr.), Commer. Mgr., Middle West Utilities Co.

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Day, W. A., Genl. Sales Mgr., Frost Mfg. Co.

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 Elmes, C. W., Pres., Chas. F. Elmes Engrg. Wks.
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 Hunt, R. W., Robert W. Hunt & Co.
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 Jackson, W. B., D. C. & Wm. B. Jackson.
 Jacobs, H. W., 339 Railway Exch.
 Jewell, G. H., Sales Engr., Builders Iron Fdy.
 Johnson, B. S., care of W. H. Miner, 667 The Rookery.
 Johnson, C. L., Clerical Supt. West. Elec. Co., Inc.
 Johnson, G. A., Mech. Supt., W. H. Miner, 667 Rookery Bldg.
 Jones, H. C., Asst. to V. P., Inland Steel Co.
 Jones, W. C. (Jr.), Lawyer, Jones, Addington, Ames & Selbold.
 Jones, W. G. (Jr.), V. P., W. A., Jones Fdy. & Mch. Co.
 Kane, E. J., M. E., 123 N. Waller Ave.
 Kasley, J. H., Planning Engr., West. Elec. Co., Inc., Hawthorne Sta.
 Keeley, W. C., Jr. (Jr.), New So. Hotel.
 Kehl, R. J. (Jr.), Cons. Engr. Chicago Wks., Oxweld Acetylene Co.
 Kell, G. B., Supt., Federal Sign System (Elec.)
 Kelly, O. G., Dist. Turbine Inspr., Genl. Elec. Co.
 Kendrick, J. W., 143 Jackson Blvd.
 Kenney, W. J., Pres., Moloch Stoker Co.
 Kennicott, C. L., Engr., Permutit Co.
 Kermer, M. J., Genl. Mgr., Ch. Engr., Canon-Swenson Co.
 Kessler, R. (Jr.), Dist. Sales Mgr., Terry Steam Turbine Co.
 Kimman, M. T., Ch. Engr., Supt., Estate of L. J. McCormick.
 King, C. G. Y., Constr. Engr., Commonwealth Edison Co.
 King, F. A., 1812 Byron St.
 Kirkup, J. P., Engr. Factories West, Borden's Condensed Milk Co.

ILLINOIS, Chicago (Continued)

- Knight, I. D., Engr. Drive Chain Dept., Link-Belt Co.
 Knowles, C. R., Supt. Water Serv., Ill. Central R. R.
 Kraut, H. B., M. E., Export Mgr., Joseph T. Ryerson & Son.
 Krehbiel, F. A., Pres., Krehbiel Co.
 Kroeschell, R. A. (Jr.), Sales Engr., Kroeschell Bros. Ice Mch. Co.
 Kuss, R. H., Cons. M. E., Rm. 805, 112 W. Adams St.
 Kyle, S. C., Pres., Engrg. & Sales Corp.
 Lang, W. H., Secy., Treas., Phillips, Lang & Co.
 Lea, H. I., Cons. Gas Engr., Peoples Gas Bldg.
 Lemley, B. W., Mgr. Appraisal Dept., Am. Radiator Co.
 Lenone, J. M., Asst. Ch. Draftsman, Armour & Co.
 Leonard, A. G., Pres., Union Stock Yard & Transit Co.
 LeVally, J. R. (Jr.), Asst. Ch. Engr., Armour & Co.
 Levey, J., M. E., Natl. Mch. Wks.
 Levin, A. M., M. E., 1542 La Salle Ave.
 Lewis, G. Q., M. E., W. H. Miner, 667 The Rookery.
 Lewy, D., West. Mgr., Stand. Pumper Elev. Co.
 Lincoln, H. A. (Jr.), Nichols & Lincoln.
 Lindberg, F. A., Gardner & Lindberg.
 Link, M. W., Asst. Mech. Expt., Crane Co.
 Lipsner, B. B., Capt. O. R. C., Motor Section, Ordnance Dept.
 Lockett, K., Sales Mgr., G. A. Buhl Co.
 Lofts, D., Ch. Engr., Am. Steel Foundries.
 Lord, C. E., Genl. Pat. Atty., Internatl. Harvester Co.
 Lowell, G. C., Constr. Engr., Peoples Gas Light & Coke Co.
 Ludlow, C. G., West. Mgr., Crosby Steam Gage & Valve Co.
 Luhr, O., Cons. Engr., Luhr & Friedl.
 Lundberg, C., Western Ed., Iron Age.
 Lunger, W. G., Mgr., Union Twist Drill Co.
 Lyman, J., Member of Firm, Sargent & Lundy.
 McCarty, D. (Jr.), Mech. Rep., Enterprise Ry. Equip. Co.
 McElroy, J. W., Commer. Sales Engr., Westinghouse Elec. & Mfg. Co.
 McIntosh, R. L., Pyle Natl. Co.
 McIntyre, M. B., Engr., 7215 Harvard Ave.
 McKee, W. S., V. P., Am. Manganese Steel Co.
 McKee, W. N., Cons. Engr., 4812 Lake Park Ave.
 McMunn, W. N., Commander, N. N. V., U. S. Navy.
 MacFarland, H. B., Engr. of Tests, Atchison, Topeka & Santa Fé Ry. System.
 MacKenzie D. (Jr.), Asst. Mgr. Mech. and Constr. Depts., Swift & Co.
 Macalister, R. N., M. E., Robt. W. Hunt & Co.
 Macklind, W. R., Mgr. Engrg. and Constr. Dept., Sherwin-Williams Paint Co., Pullman Sta.
 Maher, E. E., Engrg., Contg., 1466 Conway Bldg.
 Malcolmson, W. J. (Jr.), Supvr., Mfg. Engr., West. Elec. Co.
 Marlow, F. W., Ch. Engr., Armour & Co.
 Massey, G. B., Geo. B. Massey Co.
 Masters, H. R. (Jr.), Sales Engr., B. F. Sturtevant Co.
 Matchett, J. C. (Jr.), Secy., Ill. Engrg. Co.
 Matthew, R. M. (Jr.), Asst. Supt., Whitaker Mfg. Co., Clearing.
 Maury, D. H., Cons. Engr., 1137 Monadnock Bldg.
 May, E. A., Asst. Mgr. Boiler Dept., Am. Radiator Co.
 May, O. J., Capt. Engrs.' Section, U. S. A.; Ch. Engr. Chicago Dist., The Texas Co.
 Meeker, L. A. (Jr.), Purchasing Dept., Armour Soap Wks.
 Melcher, C. W., Secy., Genl. Mgr., Ingersoll-Rand Co. of Ill.

ILLINOIS, Chicago (Continued)

- Merrill, J. J., Ch. Engr., Corn Products Refining Co.
 Misostow, H., M. E., Dept. of Smoke Insp., City of Chicago.
 Miller, E. B., Dept. Ch. in Planning Div., West Elec. Co., Inc., Hawthorne Sta.
 Mitchell, J. H., Mgr. of Sales, Pressed Steel Car Co., West. Steel Car & Fdy. Co.
 Mitchell, J. R., Traveling Rep., W. H. Miner, 667 Rookery Bldg.
 Mohr, L., Pres., John Mohr & Sons.
 Monroe, W. S., Mem. of Firm, Sargent & Lundy.
 Montgomery, S. (Jr.), Cons. Industrial and Production Engr.
 Moody, W. O., M. E., Ill. Central R. R. Co.
 Moore, C. B., V. P., Oxweld R. R. Serv. Co.
 Morava, W., Pres., Morava Constr. Co.
 Morehead, G. L., Asst. Ch. Engr., Link-Belt Co.
 Morse, C. H., Jr., Pres., Fairbanks, Morse & Co.
 Moseley, A. W., Prof. M. E., Lewis Inst.
 Murphy, T. R. H., Ch. Engr., Asst. to Genl. Mgr., Mattagami Pulp & Paper Co., Ltd.
 Murphy, J. Z., E. E., Chicago Surface Lines.
 Naylor, C. W., Ch. Oper. Engr., Marshall Field & Co.
 Neller, S. G., Pres., Neller, Rich & Co.
 Nelson, S. T., Supt. Chicago Plant, Sullivan Mchy. Co.
 Newby, H. L. (Jr.), M. and E. E., Sinclair Refining Co.
 Nichols, A. E., Designing Engr. Bureau of Waste Disposal.
 Niemeyer, J., Mgr., Engrg. & Statistical Depts., Baker, Vawter & Wolf.
 Nolte, C. B., M. E., Robert W. Hunt & Co.
 Novotney, T. A., American Radiator Co.
 Nuttall, F. A. (Jr.), Erecting Foreman, Link Belt Co.
 Oleson, O. E., Pres. & Genl. Mgr., The Edw. Valve & Mfg. Co.
 O'Neil, J. G., Contr. Engr., 1138 Marquette Bldg.
 Ostermann, R. M., V. P., Loco. Superheater Co.
 Otis, S., V. P., Rodger Ballast Car Co.
 Pabodie, R. J., Dist. Mgr., Griscom-Russell Co.
 Packer, E. R., M. E., Q. & C. Co.
 Painter, W. (Jr.), Lubricating Engr., Sinclair Refining Co.
 Parke, P., Ch. Engr., Pullman Co.
 Parker, F. W., Jr. (Jr.), Pat. Atty., Parker & Carter.
 Parsons, H. N. (Jr.), Ch. Draftsman, U. S. Ball Bearing Mfg. Co.
 Paterson, W., Asst. M. M., Armour & Co.
 Patitz, G. J., Asst. Supt., Supv. Engr., Peter Schoenhofen Brewing Co.
 Patton, D. C. (Jr.), Pres., Halliwell & Patton Publishing Co., also Mgr. World Pres. Union Stock Yards.
 Paul, C. E., Prof. Mech., Armour Inst. of Tech.
 Perham, D. E. (Jr.), Sales Engr., Automatic Refrig. Co.
 Pettis, J. G. (Jr.), M. E., Imperial Brass Mfg. Co.
 Pfeffer, J. E., V. P., M. E., Continental Engrg. Co.
 Pfisterer, G. E. (Jr.), 4538 Malden St.
 Plez, C., Pres., Treas., Link-Belt Co.
 Pitt, A. A., Pres., Pitt Engineering Co.
 Pope, S. A. (Jr.), Estimator, Wm. A. Pope, 26 N. Jefferson St.
 Poppenhusen, P. A., Pres., Green Engrg. Co.
 Pratt, E. W., Asst. Supt. M. P. and Mchy., C. & N. W. Ry. Co.
 Pressinger, W. P., Mgr. Compressor and Eng. Dept, Chicago Pneu. Tool Co.

ILLINOIS, Chicago (Continued)

- Prosser, J. G., 1301 E. 60th St.
 Quayle, R., Genl. Supt. M. P. and Car Dept., Chicago & Northwestern Ry. Co.
 Reid, J. S., Sr., Asst. Prof. Mech., and Elementary Mch. Drawing, Armour Inst. of Tech.
 Reitz, W. R. (Jr.), First Lieut. Ord. Dept., U. S. N. A. 4116 Park Ave.
 Rennle, W. M. (Jr.), Mech. Appraiser, Armour & Co.
 Reymond, M. H. (Jr.), Mfg. Expert West. Elec. Co.
 Rice, A. L., Managing Editor, Power Plant Engrg.
 Rich, E. P., V. P., Secy., Neiler, Rich & Co.
 Roberts, C. (Jr.), Safety Engr., Sears, Roebuck & Co.
 Robinson, J. M. (Jr.), Asst. Mgr., Am. Well Wks.
 Robinson, R. H., Production Mgr., Hurley Mch. Co.
 Rogers, U. G., Designing Can Machinery Libby, McNeill & Libby, Union Stock Yards.
 Rollins, L. M., Asst. Genl. Supt., Armour Mech. Co.
 Rose, D. (Jr.), Engineer Star Brass Wks., 1129 Sunnyside Ave.
 Rowe, H. E. (Jr.), Eng. Dept., Sinclair Refining Co.
 Royer, D. L. (Jr.), Safety Engr., 1121 Insurance Exch. Bldg.
 Russell, T. N., Second V. P., Chicago-Cleveland Car Roofing Co.
 Sargent, F., Sargent & Lundy.
 Sausen, B. R. (Jr.), Dist. Mgr., Schutte & Koerting Co.
 Savery, T. H., Jr., Mfrs.' Agt., Cons. Engr., 1630 Republic Bldg.
 Saxon, W., V. P., Wks. Mgr., Miehle Ptg. Press & Mfg. Co.
 Sayers, A. J., Engr., Coal Mine Equip. Link-Belt Co.
 Sayers, W. W., Engr., Link-Belt Co.
 Schaefer, J. V. (Jr.), Pres., Cement-Gun Constr. Co.
 Schakel, J. D., Cons. Engr. 431 S. Dearborn St.
 Schlacks, W. J., McCord & Co.
 Schmidt, A. G. A., Pres., Treas., Natl. Equip. Co.
 Scott, E. M. (Jr.), Draftsman Mech. Dept. Sargent & Lundy, 1428 Edison Bldg.
 Scribner, C. F., Industrial Engr., care of L. V. Estes, Inc.
 Seidle, N. R., Mgr. Constr. Dept., Joseph T. Ryerson & Son.
 Sessions, E. O., Pres., Sessions Engrg Co.
 Seymour, D. S., Supt. Union Spec. Mch. Co.
 Shankland, E. C., C. E., E. C. & R. M. Shankland.
 Sherman, M. H., Pres., Sherman Klove Co.
 Shields, H. C., West. Sales Engr., Fuller Engrg. Co., of Allentown, and Lehigh Car, Wheel & Axle Wks. of Catasauqua, Pa.
 Shimmin, R. P., Salesman, Link-Belt Co.
 Shults, L. J. (Jr.), Genl. foreman of tool rooms, Internatl. Harvester Co., McCormick Wks.
 Sillico, L. K., M. E., Illinois Central R. R. System.
 Smetters, S. T., Asst. Bridge Engr., Sanitary Dist. of Chicago.
 Smith, A. H., Production Engr., Sefton Mfg. Corp'n.
 Smith, G. M., Ch. Engr., Interstate Iron & Steel Co.
 Smith, H. M., Ch. Engr., Liquid Carbonic Co.
 Sorge, A., Jr., M. E., Mfr's Rep., A. Sorge, Jr., & Co.
 Sossong, R. A. (Jr.), Mech. Supt. Acetylene Plants, Air Reduction Sales Co.
 Southworth, M. O., E. E., Fairbanks, Morse & Co.
 Spencer, F. C., Efficiency Engr., Western Elec. Co., Hawthorne Sta.
 Spitzglass, J. M., V. P., Cons. Engr., Republic Flow Meters Co.
 Spurling, O. C., Asst. Genl. Supt., West. Elec. Co., Inc.
 Stadler, C., Ch. Engr., Stadler Engrg. Co.

ILLINOIS, Chicago (Continued)

- Stannard, J. M., Pres., Treas., Stannard Power Equip. Co., Mgr., Chicago Office, Am. Steam Pump Co.
- Stedman, J. E., Engr., Bd. of Supvg. Engrs., Chicago Traction.
- Steele, W. D., V. P., Benjamin Elec. Mfg. Co.
- Stevens, B. D., V. P., M. E., Miehle Ptg. Press & Mfg. Co.
- Stevenson, W. H., Secy., Power Plant Spec. Co.
- Stokoe, James, M. E., Sinclair Refining Co.
- Strale, N. W. (Jr.), Peoples Gas Light & Coke Co., Room 1711, Peoples Gas Bldg.
- Streeter, L. P., Air Brake Engr., Ill. Central R. R.
- Stuebing, A. F. (Jr.), West. Mech. Editor, Ry. Age Gazette.
- Sweeney, J. M., M. E., 729 Monadnock Bldg.
- Swift, J. B., Sales Engr., Asst. Sales Mgr., Am. Steam Conveyor Corp'n.
- Symonds, N. G., Mgr. Power Div., Westinghouse Elec. & Mfg. Co.
- Taylor, F. C. (Jr.), Draftsman, Pyle-Natl. Co.
- Taylor, J. H., Genl. Mgr., Am. Spiral Pipe Wks.
- Thomas, L. I., Managing Editor, Factory, A. W. Shaw Co.
- Thompson, J. R., Senior M. E., Div. of Valuation, Interstate Commerce Com.
- Thompson, O. C., M. E., Wirebounds Corp.
- Thorp, G. G., V. P., Ill. Steel Co.
- Throckmorton, G. K. (Jr.), Mgr. Elec. Merchandise, Sears, Roebuck & Co.
- Tollerton, W. J., Genl. Mech. Supt., Chicago, Rock Island & Pac. Ry. Co.
- Toney, P. S. (Jr.), Engr., Neller, Rich & Co.
- Troutman, H. E., Worthington Pump & Mchy. Co.
- Turner, R. E., Assoc. Editor, Power Plant Engrg., 537 So. Dearborn St.
- Unger, J. S., Cons. Engr., 3344 Broadway.
- Van Buskirk, H. C., Genl. Supt., Griffin Wheel Co.
- Vanman, R. L. (Jr.), Pres., Produce Terminal Corp'n.
- Van Zandt, P. C., M. E., Allis-Chalmers Mfg. Co.
- Vater, F. F., Pres., Power Plant Spec. Co.
- Von Schlegell, F., Pres., Industrial Elec. Furnace Co.
- Wachs, T. (Jr.), Engr., E. H. Wachs Co.
- Wadd, R. J. (Jr.), Sales Engr., Shepard Elec. Crane & Hoist Co.
- Wagensell, E. W., Sales Mgr., Burke Furnace Co.
- Wahl, H. R., M. E., Commonwealth Edison Co.
- Wallace, D. A., M. E., West. Elec. Co.
- Wallace, J. D., Pres., J. D. Wallace & Co.
- Walsh, F. J., Mech. Expt., Galena-Signal Oil Co.
- Walsh, W. F., Capt., E. O. R. C., U. S. A.
- Walters, W. T. (Jr.), Mech. Inspr., Ill. Central R. R.
- Warder, W. J. (Jr.), Wks. Mgr., Roth Bros. & Co.
- Washington, D. E., Mgr., Ch. Engr., Packers Architectural & Engrg. Co.
- Watt, J., M. E., Krehbiel Co.
- Webb, C. L., Sales Engr., Henry R. Worthington.
- Webner, F. E., Frank E. Webner & Co.
- Webster, F. L., Mgr., Chicago Office, Allis-Chalmers Mfg. Co.
- Webster, T. K., Jr., V. P., Webster Engrg. Co., Ch. Engr., Am. Steam Conveyor Corp'n.
- Wein, C. V., Constr. and Mech. Engr., MacDonald Engrg. Co., Engrg. Dept., Ill. Steel Co.
- Wells, F. L., 101 S. Clinton St.
- Wheeler, F. G. (Jr.), Mech. Engr., Miehle Ptg. Press & Mfg. Co.

ILLINOIS, Chicago (Continued)

Wheeler, F. R., Dist. Mgr., C. H. Wheeler Mfg. Co.
 Whiteside, V. (Jr.), Efficiency Engr., West. Elec. Co., Hawthorne Sta.
 Widdicombe, R. A., Engr., The Gables.
 Wilder, T. E., Pres., Wilder & Co.; Chairman, J. W. & H. P. Howard & Co., Ltd., Corry, Pa.
 Williamson, C. S., V. P., Mead-Morrison Mfg. Co.
 Wilson, C. E., Asst. Sales Mgr., Worthington Pump & Mch. Corp.
 Wilson, J. B., Commer. Engr., Westinghouse Elec. & Mfg. Co.
 Wilson, T., West. Editor, Power, McGraw-Hill Publishing Co.
 Wintercorn, J., Jr. (Jr.), Mch. Designer, Jos. T. Ryerson & Son.
 Wisner, G. M., Ch. Engr., Chicago Drainage Canal.
 Wolff, S., Dist. Mgr., De Laval Steam Turbine Co.
 Wood, T. C., U. S. Inspr., Panama Canal, 1450 Winona Ave.
 Woodman, G. A., Genl. Mgr., Natl. Car Equip. Co.
 Woodmansee, F., Cons. Engr., Woodmansee-Davidson Engrg. Co.
 Woods, M. H. (Jr.), M. E., Bates Valve Bag Co.
 Woodward, A. H., Pres., Internatl. Register Co.
 Woolfolk, W. G., Mgr. Chicago Office, Sanderson & Porter.
 Woolley, H. O., Power Spec. Co.
 Yeomans, L. I., Industrial Engr., 72 W. Adams St.
 Zanke, G. J., Dist. Sales Mgr., Am. Engrg. Co.
 Zapp, L. M. (Jr.), A. L. Drum & Co.
 Zimmerman, F. R., Cons. Engr., Ill. Engrg. Co.

Chicago Heights.—Eckfeldt, J. J., Supt., Inter-Ocean Wks., Ry. Steel-Spring Co.

Hall, H. F., 309 W. 16th St.
 Jenner, O. G. (Jr.), Industrial Engr., Inland Steel Co.
 Vance, W. N., V. P., Durand Steel Locker Co.

Cicero.—Fliegner, C. G. (Jr.), Asst. Dept. Chief, Planning Div., West. Elec. Co., Inc.**Decatur.**—Cash, A. W., Pres., A. W. Cash Co.

Klinck, F. E., M. E., Metallurgist, H. Mueller Mfg. Co.
 Lake, C. W., Draftsman, H. Mueller Mfg. Co.
 Lepper, J. G., Williams Sealing Corp'n.
 Lucas, C. W., M. E., Faries Mfg. Co.

Dixon.—Harlow, J. E., M. E., Ill. No. Utilities Co.**East Alton.**—Olin, F. W., Pres., Equitable Powder Mfg. Co., West. Cart-ridge Co., West. Powder Mfg. Co., Pres., Egyptian Powder Co.**East Moline.**—Airey, John, M. M., R. & V. Wagner Ord. Co.

Mills, W. C. (Jr.), Mch. Designer, Root & Van Dervoort Engrg. Co.
 Root, O. J., V. P., Root & Van Dervoort Corp'n.
 Soverhill, H. A., Engr., Root & Van Dervoort Engrg. Co.
 Van Dervoort, W. H., Pres., Genl. Mgr., Root & Van Dervoort Engrg. Co.

East St. Louis.—Baker, N. L., Wks. Engr., Am. Steel Foundries.**Elgin.**—Gabriel, W. A., Ch. Draftsman, Designer, Elgin Natl. Watch Co.

Hunter, G. E., Genl. Supt., Elgin Natl. Watch Co.
 Malvern, L. K., M. E., Elgin Natl. Watch Co.
 Price, A. M., 825 Douglas Ave.

ILLINOIS (Continued)

Evanston.—Lyon, C. W., Pres., Lyon Concrete Products Co.
 Montgomery, H. M., 1221 Davis St.
 Philbrick, H. S., Prof. M. E., Northwestern Univ.

Fayville.—Brown, M. C., Ch. Engr., Fayville Plant, Aetna Explosives Co

Freeport.—Hoefer, C. A., Secy., Hoefer Mfg. Co.

Galesburg.—Johnson, C. S., Engr., Frost Mfg. Co.

Galva.—Hayes, R. W. E., Genl. Mgr., M. E., Designer, Hayes Pump & Planter Co.

Great Lakes.—Foord, J. L., Lieut. Commander, N. N. V., U. S. N., U. S. N. Training Sta.

Harvey.—Bourne, R. H., V. P., Whiting Fdy. Equip. Co.
 Hardy, C. A., Sales Mgr., Whiting Fdy. Equip. Co.
 Lawrence, N. S., Sales Engr., Whiting Fdy. Equip. Co.
 McDougal, A. H., Ch. Engr., Whiting Fdy. Equip. Co.
 Prussing, R. E., Engr., Whiting Fdy. Equip. Co.

Jerseyville.—Boynton, J. E., M. E., 116 E. Arch St.

Joliet.—Bates, H. H., V. P., Joliet Oil Tractor Co., Secy., Bates Mch. Co.

Bell, J. A., M. M., Ill. Steel Co.

Kuehn, H. R. (Jr.), M. E., Ill. Steel Co.

Langford, G., Gen. Supt., Am. McKenna Process Co.

Lundehn, O., 200 N. Broadway.

Meaker, G. L. (Jr.), Cons. Engr., 311 Campbell St.

Mowat, J. F., M. M. Blast Furnaces, Ill. Steel Co.

Parrigin, H. P. (Jr.), Steam Expt., Steam Engrg. Dept., Ill. Steel Co.

Patterson, H. R., Supt. Scott St. Wks., Am. Steel & Wire Co.

Shaffner, C. R. (Jr.), Asst. Steam Engr., Ill. Steel Co.

Kankakee.—Mann, H. L., Pres., Mann Corp.

Kenilworth.—Curtis, L. E., Cons. Engr.

Kewanee.—Bannister, J. C., V. P., Walworth Mfg. Co.

Kensington.—Mayer, J. L., Asst. Maintenance Engr., Sherwin-Williams.
 Bronson, C. E. (Jr.), Asst. M. E., Kewanee Boiler Co.
 Harman, J. J., C. E., Kewanee Wks, Walworth Mfg. Co.
 McCarthy, H., Ch. Draftsman, Kewanee Wks., Walworth Mfg. Co.
 Moore, M. F., Mgr., Kewanee Boiler Co.
 Pittsford, W. A., M. E., Kewanee Boiler Co.
 Quirke, E. D., Designer, Checker, Walworth Mfg. Co., Kewanee Wks.

La Salle.—Bear, O. L., Cons. Engr., Laundryowners Natl. Asso.
 Cypher, O. G., M. E., Matthliessen & Hegeler Zinc Co.
 Herreke, E. A. (Jr.), La Salle Mch. & Tool Co.
 Neureuther, A. H. (Jr.), M. E., West. Clock Co.

Litchfield.—Williams, C. H.

Marselles.—Baughman, I. N. (Jr.), Agri. Engr. and Mgr.

ILLINOIS (Continued)

Mattoon.—Butler, R. G. (Jr.), Engr. Dept.

Mechanicsville.—Benedict, B. W., 1st Lieut., Ord. R. C.

Mt. Vernon.—Collison, T. A., M. E., Mt. Vernon Car Mfg. Co.

Moline.—Adams, C. L., Apprentice Instr. Tractor Branch, Moline Plow Co.

Brown, T., Mgr. Exper. Dept., Deere & Co.

Carlson, C. A., Genl. Draftsman, Deere & Co.

Dunkin, W. V., Ch. Draftsman, Exper. Dept., Deere & Co.

Hunt, W. P., Genl. Mgr., Moline Tool Co.

Mixer, G. W., V. P., Deere & Co.

Rosborough, C. R., Secy., Williams, White & Co.

Roy, L. (Jr.), 2403 11th Ave., A.

Oak Park.—Lyons, J. W., 720 Erie St.

Peterson, F. C., Mech. Engr., 641 Lyman Ave.

Oakland, Coles Co.—Pemberton, C. (Jr.), Engr. & Surveyor.

Peoria.—Bohn, R. G. (Jr.), Asst. Operating Engr., Ill. Traction System.

Brandon, W. J., M. E., Avery Co.

Cresler, K. M., Production Engr., Avery Co.

Daniels, G. C., Supt. Power Plant, Central Ill. Light Co.

Harper, C. W. (Jr.), Engr., Keystone Steel & Wire Co.

Keith, R. R., Plant Mgr., Holt Mfg. Co.

Kniese, H. G. (Jr.), Supt. Constr., Central Ill. Light Co.

Newell, J. C., Ch. Engr., Keystone Steel & Wire Co.

Norelius, E. F., M. E., Holt Mfg. Co., Inc.

Sargisson, Z. E., Designing Engr., Ill. Traction System.

Wallace, R. S., V. P., Genl. Mgr., Central Ill. Light Co.

Wolffner, I. W. (Jr.), Asst. Treas., Natl. Cooperage & Woodenware Co.

Woolner, S. A. (Jr.), Pur. Agt., Asst. Secy., Woolner Distilling Co.

Peru.—Leutscher, O. P., Ch. Engr., Illinois Zinc Co.

Pontiac.—Clark, L. A., Secy., Treas., Pontiac Leader Pub. Co.

Quincy.—Beltman, A. H., Engr., Mfr., Quincy Branch, Edmund T. Perkins Engrg. Co.

Bunting, C. A. deK. (Jr.), V. P., Quincy Elev. Gate Co.

Rock Island.—Brown, F. W., Capt. Ord. Section, O. R. C., Rock Island Arsenal.

Clark, E. L. C., Wks. Mgr. Tractor Branch, Moline Plow Co.

Horst, A. E., Secy., Treas., Henry W. Horst Co.

Berges, A. H. (Jr.), Mech. Draftsman, U. S. War Dept., Rock Island Arsenal.

Holmgren, F. C., Auto. Expt., Rock Island Arsenal.

Kaelin, C. G., Capt. Ord. Dept., U. S. R., Rock Island Arsenal.

Morgan, E. J., M. E. E., Rock Island Sash & Door Wks.

Mosman, E., 1st Lieut. Ordnance O. R. C., Rock Island Arsenal.

Streeter, R. L., Capt. Ord. Dept., U. S. R., Rock Island Arsenal.

ILLINOIS (Continued)

Rockford.—Barnes, J. S., Secy., Treas., W. F. & John Barnes Co.
Barnes, W. F., 813 N. Main St.

Bixby, W. H. (Jr.), Company A, Illinois Engrs.
Colman, H. D., Mem. of Firm, Barber-Colman Co.
Doll, W. B., Lieut. 35th Engr., U. S. R., Camp Grant.
Ingersoll, W., Pres., Ingersoll Milling Mch. Co.
Reilly, C. J., Co. C., 21st Engr., Camp Grant.

South Chicago.—McDermott, G. R., Steam Engr., Ill. Steel Co.
Talkes, E. B., M. M. Federal Furnace Plant, By Products Coke Corp.

Springfield.—Brown, O., Pres., Treas., Springfield Boiler Co.
Carlson, C. T., Ch. Engr., Springfield Boiler & Mfg. Co.

Sycamore.—Lattin, J., 412 W. High St.
Rumely, W. N., Pres., Illinois Thresher Co.

Urbana.—Benedict, B. W., Dir. Shop Laboratories, Dept. Mech. Engrg.
Univ. of Ill.

Beyer, O. S., Jr. (Jr.), Engrg. Exper. Sta. and College of Engrg., Univ. of Ill.

Brooks, M., Prof. E. E., Univ. of Ill.

Dent, J. A., Assoc. M. E., Univ. of Ill.

Godeke, H. F., Assoc. in Steam Engrg., Univ. of Ill.

Kratz, A. P. (Jr.), Research Assoc. Mech. Engrg. Dept., Univ. of Ill.

Leutwiler, O. A., Prof. Mch. Design, Univ. of Ill.

Lincoln, C. W. (Jr.), Instr. U. S. A. Sch. of Military Aeronautics,
Univ. of Ill.

Miller, H. W. (Jr.), Asst. Dean, College of Engrg., Asst. Prof., Charge
of Dept. of Genl. Engrg. Drawing, Univ. of Ill.

Moore, H. F., Prof. Engrg. Materials, Univ. of Ill.

Newell, F. H., Prof. C. E., Univ. of Ill.

Phelps, C. E. (Jr.), Asst. Dir. Shop Labs., Univ. of Ill.

Richards, C. R., Dean College of Engrg., Dir., Engrg. Exper. Sta.,
Univ. of Ill.

Severns, W. H. (Jr.), Instr. M. E., Univ. of Ill.

Snodgrass, J. McB., Asst. Prof. Ry. Mech. Engrg., Univ. of Ill.

Talbot, A. N., Prof. Municipal and Sanitary Engrg., Charge Theo. and
Applied Mech., Univ. of Ill.

Wilson, L. A., Instr. in charge of Engines, School of Military Aeronau-
tics, Univ. of Ill.

Waukegan.—Banta, J. S., Ch. Draftsman Am. Steel & Wire Co.
Ekstrand, L. M., Engr., Chicago Dist., Am. Steel & Wire Co.
Plocinsky, A. J. (Jr.), Draftsman, Am. Steel & Wire Co.

Wheaton.—Ballou, J. L. (Jr.), 215 Cross St.

Wilmette.—Rogers, A. A.

Winthrop Harbor.—Sterling, C. H. (Jr.), Ch. Engr., Winther Motor
Truck Co.

INDIANA

Anderson.—Johnson, L. H., Genl. Mgr., Anderson Fdy. & Mch. Wks.

Krannert, H. C., Mgr., Sefton Mfg. Corp.

Scheurmann, W. P., Genl. Mgr., Hill Pump Co.

Smith, D. T., Ch. Engr., Hill Pump Co.

INDIANA (Continued)

Attica.—Johnson, L. L., Cons. Engr., Architect.

Bedford.—Hyde, G. C., South. Ind. Power Co.

Beech Grove.—Pearce, E. S. (Jr.), M. E., C. C., C. & St. L. Ry.

Brazil.—Crawford, C. W., Pres., Crawford & M'Crimmon Co.

Wood, D. W., Mgr., The Wood Turret Mch. Co.

Chestertown.—Wait, H. H., Cons. M. & E. E., Waverly and St. Joe Rds., R. F. D. Route 1, Box 15.

Connersville.—Hicks, G. C., Jr., M. E., 514 Franklin St.

Wilkin, J. T., Pres., M. E., Connersville Blower Co.

East Chicago.—Bull, E. H., Engr., Green Engrg. Co.

Graver, A. M. (Jr.), Sales Mgr., Wm. Graver Tank Wks.

Hitze, E. C., Wks. Mgr., Edward Valve & Mfg. Co.

Marsh, T. A., Ch. Engr., Green Engrg. Co.

Park, W. M., Constr. Engr., Green Engrg. Co.

Strong, A. P. (Jr.), Designing Engr., Green Engrg. Co.

True, C. H., Shop Supt., Loco. Superheater Co.

Elkhart.—Hamilton, W. P. B., Supt., Mengel Box Co., Branch.

Hoffman, R. C., M. E., Sun Motor Car Co., Inc.

Stratton, J. F. O., Genl. Mgr. Standard Ignition Co., Elkhart, Ind.

Evansville.—McMullen, V. E., Supt., Hercules Gas Eng. Co.

Fort Wayne.—Astrom, J., M. E., 611 W. Wayne St.

Barrett, W. A., M. E., Bass Fdy. & Mch. Co.

Corey, D. A., Exec. Engr., S. F. Bowser & Co., Inc.

Evans, B. C., Designer, Genl. Elec. Wks.

Feagles, R. L., M. E., Deister Mch. Co.

Gelder, J. T. (Jr.), Spec. Apprentice, Pa. R. R.

Goda, P. H., M. P. Inspc., Pa. Lines.

Guldin, O. N., Pres., Genl. Mgr., West. Gas Constr. Co.

Hambrock, O. F. (Jr.), Spec. Apprentice, Pa. Lines West.

Muir, J. J., Mech. Supt., Bass Fdy. & Mch. Co.

Stone, T. W., Ch. Engr., West. Gas Constr. Co.

Zimmerman, A. W., Pres., Cons. Engr., Zimmerman Engrg. & Supply Co.

Fowler.—Pape, J. O. (Jr.), W. F. Starz & Co.

Gary.—Bendt, E. R. (Jr.), Asst. Estimating Engr., Ill. Steel Co.

Burress, L. F. (Jr.), Supt. Coke Ovens, Ill. Steel Co.

McArthur, A. R., Res. Engr., Am. Sheet & Tin Plate Co.

Voigt, L. S. (Jr.), Foreman Coke Plant Steam Dept., Ill. Steel Co.

Hagerstown.—Teeter, R. R. (Jr.), M. E., Teeter-Hartley Motor Co.

Hammond.—Howell, S. S., Cons. Engr., United Chemical & Organic Products Co.

Schneider, G. A., Wks. Engr., Stand. Steel Car Co.

Huntington.—Beeson, A. C., V. P., Genl. Mgr., Ind. Pipe Line Co.

Indiana Harbor.—Bower, W. (Jr.), Asst. M. M. of Blast Furnaces, Inland Steel Co.

INDIANA, Indiana Harbor (Continued)

Burrell, B. S., Genl. M. M., Inland Steel Co.
 Hessler, G. M., Asst. M. M., Inland Steel Co.
 Hvid, M., Ch. Draftsman, Inland Steel Co.
 Kugel, H. K. (Jr.), Constr. Engr., Inland Steel Co.
 McLaren, L. L. (Jr.), Mark Mfg. Co.
 Mayer, J. L. (Jr.), The Mark Mfg. Co.
 Mitchel, F. A. (Jr.), Structural Engr., Inland Steel Co.
 Nevius, W. I. (Jr.), Mech. Dept., Inland Steel Co.
 Robeckek, B. (Jr.), Foreman, Sintering Plant, Inland Steel Co.
 Romann, J. H., Wks. Engr., Am. Steel Foundries.

Indianapolis.—Bartlett, G. M., Ch. Engr., Diamond Chain & Mfg. Co.
 Baxter, H. N. (Jr.), Ch. Draftsman, Cole Motor Car Co.
 Carver, E. M. (Jr.), Resident Rep., Dodge Sales & Engrg. Co.
 Christensen, J. C., Supt., Rockwood Mfg. Co.
 Clancy, W. C., Sr. Insp., A. & A. E., S. S. L., Care of Nordyke & Marmon Co.
 Cook, H. B. (Jr.), Sales Engr., Warner Elev. Mfg. Co.
 Curry, J. R., Secy., Hall-Curry Constr. Co.
 Dagavarian, N. A. (Jr.), Mech. Draftsman, Nordyke & Marmon Co.
 Delly, A. T. (Jr.), M. E., Nordyke & Marmon Co.
 Eddy, B. S. (Jr.), 1st Lieut., Engrs. Corps, U. S. R., 2420 N. Meridian St.
 Fenstermaker, S. E., Partner, Weinsharp & Fenstermaker.
 Fillmore, H. W. (Jr.), Engr. on Time Study and Production, Nordyke & Marmon Co.
 Gallup, D. L., Research and Exper. Engr., Nordyke & Marmon Co. Inc.
 Hamerstadt, W. D. (Jr.), Engr., Rockwood Mfg. Co.
 Hamilton, W. E., Cons. Engr., 1307 N. La Salle St.
 Hanley, W. A., M. M., Ch. Engr., Eli Lilly & Co.
 Heign, H. B., M. E., Indiana Pub. Serv. Comm.
 Hetzel, F. V., Ch. Engr., Link-Belt Co.
 Hurd, C. H., Cons. Engr., 807 Merchants Bank Bldg.
 Insley, W. H., Pres., Insley Mfg. Co.
 Knowlton, C. H. (Jr.), Spec. Engr. M. P. Dept., C. C. C. & St. L. Ry.
 Langstroth, C. B. (Jr.), Metallurgist, Link-Belt Co.
 Libby, C. L. V. P., Supt., Internatl. Mch. Tool Co.
 Long, L. G., Supvr., Gibson Co.
 Love, T. J. (Jr.), Mgr. Indianapolis Office, Dodge Sales & Engrg. Co.
 McMeans, O. E., McMeans & Tripp.
 Martin, D. S. (Jr.), Asst. Supt. of Services, Citizens Gas Co.
 Merling, B. G., Industrial Engr., 400 Fletcher Am. Natl. Bank Bldg.
 Mohler, C. M., Supt., Empire Automobile Co.
 Nehrhas, F. P., Factory Production Mgr., Premier Motor Corp.
 Overmlre, W. J. (Jr.), Private Co. C, 334 Infantry, Camp Zachary Taylor, Ky.
 Reed, W. S., Senior Partner, Reed & Glaser.
 Rettig, G. P., Weldely Motors Co.
 Rickatson, W. E., M. E., Cleveland, Cincinnati, Chicago & St. Louis Ry. Co.
 Riggs, J. D. (Jr.), Link-Belt Co.
 Rockwood, G. O., Pres., Rockwood Mfg. Co.
 Rubin, H. E. (Jr.), Salesman, Natl. Dry Kiln Co.
 Sargent, C. E., Ch. Engr., Lyons-Atlas Co.
 Schumacher, J. A. (Jr.), Mach. Tool Designer, Nordyke & Marmon Co.

INDIANA, Indianapolis (Continued)

- Schwartz, H. A., Asst. Supt., Natl. Malleable Castings Co.
 Taylor, W. M., Pres., Chandler & Taylor Co.
 Thomson, P. F., Mgr., Thomson Tool & Supply Co.
 Todd, R. I., Pres., Genl. Mgr., Indianapolis Traction & Terminal Co.
 Wainwright, L. M., Pres., Diamond Chain & Mfg. Co.
 Wall, W. G., V. P., Ch. Engr., Natl. Motor Vehicle Co.
 Wallace, L. W., Asst. Genl. Mgr., Diamond Chain & Mfg. Co.
 Wallner, E. P. (Jr.), Nordyke & Marmon Co.
 Warrington, J., 271 N. Randolph St.
 Weinshank, T., Genl. Mgr., Warren Webster & Co.
 White, M. G. (Jr.), Hall Scott Motor Car Co., Ch. Insp. Airplane Engines Plant, Nordyke and Marmon Co.
 Wilson, J. A. (Jr.), Yd. Master, Cleveland, Cincinnati, Chicago & St. Louis Ry.
 Winger, S. D. (Jr.), Mgr. R. R. Sales and Serv., Prest-O-Lite Co., Inc.
 Wright, W. H., Supt., Citizens Gas Co., Majestic Bldg.
 Wynne, T. A., V. P., Treas., Indianapolis Light & Heat Co.
 Ziegler, L. I., Mgr. Milling Mch. Dept., Nordyke & Marmon Co.

La Porte.—Ballentine, W. I., V. P., Advance-Rumely Co.

- Boyd, L. B. (Jr.), Production Engr., Advance-Rumely Co.
 Crook, G. L., Pres., Genl. Mgr., Aerothrust Eng. Co.
 Lonn, E. J., Pres., Genl. Mgr., Great West Mfg. Co.

Lafayette.—Bauer, T., Pres., Genl. Mgr., Lafayette Box Board & Paper Co.

- Benjamin, C. H., Dean, Dir., Purdue Univ.
 Cole, A. W., Assoc. Prof. M. E., Purdue Univ.
 Decker, J. H., Engr.-Constr., Mech. and Struc., 316 N. 4th St.
 Dufty, A., M. E., Supt. of Bldgs., Purdue Univ.
 Eyre, T. T., Asst. Prof. M. E., Purdue Univ.
 Golden, M. J., Prof. Practical Mechs., Purdue Univ.
 Hoffman, J. D., Prof. Practical Mech., Dir. Dept. of Practical Mech., Purdue Univ.
 King, G. C., Asst. in Mch. Design, Purdue Univ.
 Ludy, L. V., Prof. Exper. Engrg., Purdue Univ.
 Rubenkoenig, H., Instr. Car and Loco. Design, Purdue Univ.

Mason City.—Hartman, Donald U., Mech. and Elec. Engr., Northern Sugar Corp.

- Munro, G. W., Asst. Prof. M. E., Purdue Univ.
 Nottingham, A. R., Asst. Prof. M. E., Purdue Univ.
 Owens, Robert H. (Jr.), Asst. Prof. Practical Mech., Purdue Univ.
 Turner, W. P., Prof. Practical Mech., Purdue Univ.
 Young, G. A., Head of Dept. M. E., Purdue Univ.

Marion.—Strauss, J. (Jr.), Chemist, Metallurgist, Western Drop Forge Co.**Mishawaka.**—Ahara, E. H., Mgr., Dodge Mfg. Co.

- Guise, H. B., Industrial Engr., Rubber Regenerating Co.
 Johnson, D. M., Sales Engr., Dodge Sales & Engrg. Co.
 Knorr, K. W., Asst. to Sales Mgr., Dodge Sales & Engrg. Co.
 Mix, M. W., Pres., Genl. Mgr., Dodge Mfg. Co., Dodge Sales & Engrg. Co.

INDIANA, Mishawaka (Continued)

Roe, W. E., Ch. Engr., Dodge Mfg. Co.

Wright, D. C., Production Mgr., Dodge Mfg. Co.

Muncie.—Fitzgerald, G. (Jr.), Engr., Maxon Premix Burner Co.

Johnson, A. L., Pres., Warner Gear Co.

South Bend.—Adams, C. R., Wks. Mgr., Sibley Mch. Tool Co.

Terre Haute.—Peddle, J. B., Prof. Mch. Design, Rose Poly. Inst.

Wagner, F. C., Prof. M. and E. E., Rose Poly. Inst.

Wischmeyer, C., Assoc. Prof. Mch. Design, Rose Poly. Inst.

Whiting.—Smith, L. G. (Jr.), Combustion Engr. Stand. Oil Co.

IOWA

Ames.—Cleghorn, M. P., Assoc. Prof. M. E., Ia. State College.

Major, C. C., Assoc. Prof. M. E., Ia. State College.

Bettendorf.—Ransom, W. G., Salesman, Bettendorf Co.

Boone.—Mottlinger, B. T., E. E., Fort Dodge, Des Moines & South. R. R. Co.

Camp Dodge.—Colvin, J. A. (Jr.), Co. E., 313th Engrs.

Cedar Falls.—Johnson, J. P., care of J. Johnson, 1220 Washington St.

Davenport.—Backer, E. F., Ch. Draftsman, Davenport Loco. Wks.

Benster, L. H. (Jr.), Tractor Engr., H. E. Fairman.

Bowman, R. B., Blackhawk Hotel.

Clark, W. T., Genl. Supt., Moline Plow Co., Moline, Ill., 1521 Perry St.

Denman, B. J., Asst. Genl. Mgr., United Light & Rys. Co.

Hayward, E. L., V. P., Eagle Lumber Co., Pres., Freeo Valley Ry.

Meyler, R. G. (Jr.), 1st Lieut., Ordnance Officer's Reserve Corps

Des Moines.—Bell, R. T., Teetor Adding Mch. Co.

King, M. L., 1006 33d St.

Rathjens, G. W., Major, 313th Engrs., Camp Dodge.

Struckmann, E., Supt., Hawkeye Portland Cement Co.

Iowa City.—Woodward, S. M., Prof. Mech. and Hydraulics, State Univ. of Ia.

Keokuk.—Elliott, E. G., Ch. Engr., River Smelting & Refining Co.

Marshalltown.—Ingalls, F. D. B., Ch. Htg. and Vent. Engr., C. A. Dunham Co.

Oelwein.—Stubbs, F. W., M. E., Chicago Great West. R. R. Co.

Parkersburg.—Renken, H. J. (Jr.), Sales Engr., Fairbanks Morse & Co.

Sloux City.—Broom, B. A., Cons. M. and E. E., 500 United Bank Bldg.

Larmer, J. G., Lubricating Engrs., Standard Oil Co.

Waterloo.—Burt, A., Mgr., Citizens Gas & Elec. Co.

Menges, T. C., Genl. Supt., Associated Mfrs. Co.

Plumb, H. B., Secy., Ia. Dairy Separator Co.

KANSAS

- Arkansas City.**—Ames, J. McE., Pres., The Kanotex Refining Co.
- Augusta.**—Williams, W. G., Empire Gas & Fuel Co.
- Camp Funston.**—Laney, T. G. Jr. (Jr.), 2nd Lieut. Battalion E, 341 Field Artillery.
- Caney.**—Clark, E. A., Mgr. Gas Dept., Am. Pipe Line Co.
Warren, W. H. (Jr.), Corp., Regimental Scouts, Headquarters Co., 340th F. A. U. A., Camp Funston.
- Coffeyville.**—Bateman, P., Supt., People's Tank Line Co.
- El Dorado.**—Crooks, S. B. (Jr.), Empire Gas & Pipe Line Co.
Sulentic, S. A., M. E., Prairie Pipe Line Co.
- Ft. Leavenworth.**—Samson, C. L., Lieut. E. O. R. C.,
- Fort Riley.**—Kunze, E. J., Capt. Quartermaster, U. S. R.
Nigh, G. W. (Jr.), Camp Funston.
- Garden City.**—Carter, C. A. (Jr.), Irrigation Engr., Carter Bros.
- Hutchinson.**—Lee, G. T., Mgr. Solvay Process Co.
- Independence.**—Stancliff, A. D. (Jr.), Supt., West. States Portland Cement Co.
Brunton, D. W., Cons. Engr., 730 Symes Bldg.
Ginsburg, J. (Jr.), M. E., Lehigh Portland Cement Co.
Kirk, J. B., Pres., J. B. Kirk Gas & Smelting Co.
Swiggett, C. A. (Jr.), Supt., Lehigh Portland Cement Co.
- Kansas City.**—Munson, S. (Jr.), Engr., Proctor & Gamble Mfg. Co.
- Lawrence.**—Shaad, G. C., Prof. E. E., Univ. of Kan.
Sibley, F. H., Prof. M. E., Univ. of Kan.
Simmonds, J. J., 643 Indiana St.
Sluss, A. H., Asst. Prof. M. E., Univ. of Kan.
Walker, P. F., Dean Sch. of Engrg., Univ. of Kan.
- Manhattan.**—Carson, W. W., Prof., Shop Practice, Kan. State Agri. College.
Pearce, C. E. (Jr.), Asst. Prof. Applied Mech. and Mch. Design, Dept. of Applied Mech., Kansas State Agri. College.
Potter, A. A., Dean Div. of Engrg., Prof. M. E., Kan. State Agri. College.
Seaton, R. A., Prof. Applied Mech. and Mch. Design, Kan. State Agri. College.
- Parsons.**—Maddocks, W. H., Asst. Supt. Motive Pr., M., K. & T. Ry.
- Topeka.**—Bohnstengel, W. (Jr.), Asst. to Engr. of Tests, Test Dept., A. T. & S. F. Ry.
Brooks, H. K., Pres., Capital Iron Wks. Co.
Rush, E. S. (Jr.), Asst. to Engr. Tests, Atchison, Topeka & Santa Fe Ry.
- Wichita.**—Helpbringer, J. N. (Jr.), Supt. of Power Plants, Kansas Gas & Elec. Co.

KANSAS, Wichita (Continued)

Tomlinson, C. S. (Jr.), Test Engr. Kansas Gas & Elec. Co., Wichita, Kansas.

KENTUCKY

Ashland.—Seaton, E. W. (Jr.), Engrg. Dept., Ashland Iron & Mining Co.

Bellevue.—Hornung, G., Cons. Engr., 512 Fairfield Ave.

Earlington.—Evans, B. R. (Jr.), Machinist's Mate, U. S. Navy, care of D. M. Evans.

Hazard.—English, H. K., V. P., Genl. Mgr., Blue Grass Coal Corp'n., V. P., Genl. Mgr., Beaver Creek Coal Co., Alphoretta, V. P., Genl. Mgr., Beaver-Elkhorn Coal Co., Martin; V. P., Genl. Mgr., Hill Creek Coal Co., Richlands, Va.

Lexington.—Anderson, F. P., Dean College of M. and E. E., State Univ. of Ky., Mem., Anderson & Frankel.
Hvid, R. M., Pres., R. M. Hvid Co.

Louisville.—Brennan, E. M., First Lieut., 309th Engrs., Camp Taylor.
Cox, M. F., Asst. Supt. Mchy., Louisville & Nashville R. R. Co.
Fortney, C. P., Asst. Engr., U. S. A. Engrs.
Frankel, M. J., Insp. of Gas and Elec., City of Louisville.
Grady, W. H., Asst. Genl. Supt., Am. Creosoting Co.
Gray, H. C. (Jr.), 2401 Longest Ave.
Herb, A. (Jr.), M. E., J. Schwarzwald & Sons, Inc.
Isert, J. G. H., Genl. Supt., M. E., The Pyne Co.
Savage, L. L. (Jr.), Lieut. 309th Engr. Reg. N. A. Camp Taylor.
Schmiedeknecht, V. E., Instructional Dept., Louisville Boys' H. S.
Speed, W. S., Pres., Louisville Cement Co.
Streng, L. S., Supt. Elec. Dept., Louisville Gas & Elec. Co., Genl. Supt., Ky. Pipe Line Co.
Vogt, C. W. (Jr.), V. P., Mgr., Vogt Bros. Mfg. Co., and Natl. Fdy. & Mch. Co.
Wightman, G. A. (Jr.), Asst. Ch. Engr., Hawthorne Paper Co., Sgt. Ambulance Co. 333, 309th Sanitary Train, 84th Div., Camp Zachary Taylor.

Narrows.—Bennett, A. R. (Jr.)

Newport.—Nlelander, T., M. M., Andrews Steel Co.

LOUISIANA

Alexandria.—Rogers, T. B. (Jr.), 2nd Lieut. E. O. R. C., 114th Reg. Engr., Camp Beauregard.

Cinclare.—Whipple, W., Supt., Cinclare Central Factory.

Crowley.—Elberson, L. P., Ch. Engr., La. Irrigation & Mill Co.

Garyville.—Spencer, O. G., M. M., Lyon Lumber Co.

Gretna.—Snypp, C. E., Dist. Engr., So. Cotton Oil Co.

Iota.—Gray, J. R., Iota Rice Mill Co., Inc.

LOUISIANA (Continued)

Lake Charles.—Chalkey, H. G., Mgr., Engr., North Am. Land & Timber Co.

Lake Providence.—Hider, G. T., Partner, Bell & Hider.

Morgan City.—Pharr, E. A., Sugar Planter, Mfg., J. N. Pharr & Sons, Ltd.

New Orleans.—Barelli, J. S., Agt. Heine Safety Boiler Co.

Beck, J. D., M. E., 2331 Constance St.

Black, A. L., with Ford, Bacon & Davis.

Borde, G. U., Cons. Engr., 821 Hibernia Bldg.

Bres, E. W. (Jr.), Lieut., 312th Engrs., Camp Pike, Ark.

Burwell, R. T., Ch. Insp., Gulf Dept., Hartford Steam Boiler Inspc. & Ins. Co.

Carr, E. W., Jr., Pres., E. W. Carr, Inc.

Castanedo, W., Dist. Mgr., Power Plant Equip., 1103 Hennen Bldg.

Chisholm, J. J., Supt. of Power, New Orleans Ry. & Light Co.

Comfort, N. (Jr.), Mgr. Louisiana Branch, Natl. Workmen's Compensation Serv. Bureau.

Davis, G. H., Mem. of Firm, Ford, Bacon & Davis.

Durr, G. E., Engr., Genl. Fire Extinguisher Co.

Duvic, F. R. (Jr.), Overseer, U. S. Engr. Off.

Gregory, W. B., Major, E. O. R. C., Am. Expeditionary Forces to France; Prof. Exper. Engrg. Tulane Univ., Irrigation Engr., U. S. Dept. of Agri.

Hutson, H. L., Ch. Engr., Secy., A. M. Lockett & Co., Ltd.

Ivens, E. M., Asst. Mgr., Skinner Eng. Co.

Jahncke, E. L., Pres., Genl. Mgr., Jahncke Shipbuilding Corp'n.

Johnson, W., Cons. Engr., 122 Carondelet St.

Lockett, A. M., Pres., A. M. Lockett & Co., Ltd.

McKinney, E. B., Cons. and Constr. Engr., 1323 Octavia St.

Moses, W. B. (Jr.), Genl. Mgr., A. Marx & Sons.

Murphy, J. H., Prop., John H. Murphy Iron Wks.

Nelson, B. S., Engr., A. M. Lockett & Co.

Norrman, A. E., Designing Engr., Moulton Engrg. Corp'n.

Rantz, C. F., Owner, Chas. F. Rantz Engrg. & Mch. Wks.

Raymond, A., Genl. Mgr., Drainage, Sewerage and Water Bds.

Raymond, H. E., Cons. Engr., 502 Interstate Bank Bldg.

Rayner, Cyrus T., Jr., Ch. Engr., Orleans Levee Bd.

Stem, C. H. (Jr.), 2nd Lieut. E. O. R. C., U. S. A., 7933 Poplar St.

Troth, P. H., Second V. P., Mgr., Fairbanks Co.

Von Phul, G. D., Contr. M. E., 322 Hibernia Bank Bldg.

Waddell, T. W., South. Mgr., Erecting Engr., Pawling & Harnischfeger Co.

Winship, W. E., South. Sales Mgr., Mexican Petroleum Corp'n.

Olivier.—Pharr, H. N., Sugar Planter and Mfr., Iberia Parish.

Shreveport.—Anderson, J., Jr., Supt. Pipe Line Dept., Stand. Oil Co.

Sulphur.—Browning, F. H., M. E., Union Sulphur Co.

Henning, J. L., V. P., Ch. Engr., Union Sulphur Co.

Sulphur Mine.—Logan, L. (Jr.), Union Sulphur Co.

MAINE

Bangor.—Copeland, S. B. (Jr.), Mech. Mgr., East. Mfg. Co.

MAINE (Continued)**Biddeford.**—Blake, E. E., Agt., Saco-Lowell Shops.**Brunswick.**—Eaton, R. W., Agt., Cabot Mfg. Co.**Cumberland Mills.**—Schumaker, J. S., Ch. Engr., Mach. Supt., S. D. Warren & Co.

Terry, K. E., Jr., Supt. of Power, S., D. Warren & Co.

Langor.—Newcombe, G. M. (Jr.), M. E., East. Mfg. Co.**Lewiston.**—Bates, D. M., Agt., Lewiston Bleachery & Dye Wks.

Chiffelle, F. A., Engr., Lewiston Bleachery & Dye Wks.

Mullaney, J. E. (Jr.), Eng. Dept., Lewiston Bleachery & Dye Wks.

Lincoln.—Patten, E. L. O. (Jr.), Mech. Supt., Eastern Mfg. Co., Katahdin Pulp & Paper Co. Div.

Tuttle, G. W., (Jr.), Asst. Mech. Supt., East. Mfg. Co.

Milo.—Harvey, W. O., M. E., Am. Thread Co.**Orono.**—Lekberg, C. H., Asso. Prof. M. E., Univ. of Me.

Palmer, P. B., Genl. Supt., Orono Pulp & Paper Co.

Robbins, N. A., Ch. Engr., M. M., Orono Pulp & Paper Co.

Sweetser, W. J., Prof. M. E., Univ. of Me.

Portland.—Alexander, W. P., Steam and Mech. Engr., Moulton Engrg. Corp.

Elliott, N. R., Mech. Draftsman, Elev. Designer, Portland Co.

Englert, A., Ch. Engr., Maine Electric Co.

Hammett, P. M., Supt. M. P., Me. Central R. R. Co.

Merrill, C. J., Treas., Mgr., C. J. Merrill, Inc.

Moulton, S. A., Pres., Moulton Engrg. Corp'n.

Moyer, W. D. (Jr.), Capt. C. A., O. R. C., Ft. McKinley.

Smithwick, N. A., 41 Winter St.

White, W. C. (Jr.), Designer, Moulton Engrg. Corp.

Rockland.—Adams, P. H. (Jr.), First Naval Dist., Office of Section Commander.**Searsborough.**—Jordan, S. S., Naval Arch. and Engr.**South Brewer.**—Little, A. L., Mech. Supt., East Mfg. Co.**Waterville.**—Marr, G. H., M. E., Hollingsworth & Whitney Co.
Philbrick, F. B., M. E., Waterville Iron Wks.**MARYLAND****Annapolis.**—Cole, W., M. E., Engrg. Exper. Sta., U. S. Naval Academy

De Baufre, W. L., M. E., U. S. Naval Engrg. Exper. Sta.

Hechler, F. G., M. E. Naval Exper. Sta., U. S. Naval Academy.

Johnson, T. W., Prof. Math., U. S. Naval Academy.

Lincoln, J. B. (Jr.), M. E., U. S. Naval Engrg. Exper. Sta.

Annapolis Junction.—Summers, D. (Jr.), 1st Lieut. E. O. R. C., 304th Reg. Engrs., Camp Meade.

Lyon, H. B. (Jr.), Instr. Marine Engrg. and Naval Constr., U. S. Naval Academy.

Reed, C. M. (Jr.), Instr. Dept. of Marine Engrg. and Naval Constr., U. S. Naval Academy.

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- Rittenour, F. H., Capt. E. O. R. C., U. S. A., Instr. Dept. of Engrg., U. S. Naval Academy.
 Russell, J. G. (Jr.), Instr. Mech. Engrg., Post Graduate Dept., U. S. Naval Academy.
 Stuart, M. C. (Jr.), M. E., U. S. Naval Engrg. Exper. Sta.

Baltimore.—Adams, H., Cons. Engr., 1263-1269 Calvert Bldg.

- Baylis, J. R., Chemist, Baltimore Filtration Plant.
 Beadenkopf, G., Ch. Engr. Consld. Gas, Elec. Light & Power Co.
 Bennett, H. D., Cons. and Contr. Engr., 2114 Allendale St.
 Brandes, W. P. (Jr.), Engr., Empire Engrg. Co., Inc.
 Bridges, J. S., Pres., Coale Muffler & Safety Valve Co.
 Brooks, O. C., Ch. Engr., International Conveyor Corp.
 Brown, J. W., Jr., Cons. Engr., 659 Calvert Bldg.
 Buckler, A. (Jr.), Asst. Supt., U. S. Lighthouse Serv.
 Bushnell, H. C., Asst. Supt. M. P., United Rys. & Elec. Co.
 Carroll, J. T., Asst. Genl. Supt. M. P., B & O. R. R.
 Chatard, W. M., Mem. of Firm, Chatard & Norris.
 Christie, A. G., Assoc. Prof. M. E., Johns Hopkins Univ.
 Cilley, R., Designer, Poole Engrg. & Mch. Co.
 Clark, F. H., Genl. Supt. M. P., B. & O. R. R.
 Cottman, L. W., Supt., Ch. Engr., Palmetto Phosphate Co.
 Cromwell, O. C., M. E., B. & O. R. R. Co.
 Davids, R. L. (Jr.), 536 N. Milton St.
 Deverell, H., Pres., Deverell, Spencer & Co.
 Evans, H. A., Pres., Baltimore Dry Docks & Ship Bldg. Co., Locust Point.
 Farr, A. V. (Jr.), Sales Mgr., Hess Steel Corp.
 Ford, J. D., Rear Admiral, U. S. N., 2319 Maryland Ave.
 Forney, J. R., Sales Engr., Ralston Steel Car Co.
 Gardner, H., Spec. Engr., B. & O. R. R. Co.
 Hargrave, H. H., Engrg. Dept., Cork Crown & Seal Co. of Baltimore.
 Hess, H. L. (Jr.), V. P., Hess Steel Corp.
 Keilholtz, P. O., Cons. Engr., Continental Bldg.
 Keller, G. M. (Jr.), Production Mgr., Crown Cork & Seal Co.
 Kryzanowsky, C. J., Pres., Tungsten Products Co.
 Lewis, J. E. (Jr.), M. E., 1218 Warner St.
 Loizeaux, A. S., E. E., Consld. Gas, Elec. Light & Power Co.
 Lubbert, G. L., Ch. Operating Engr., Filtration Plant City Water Dept.
 Magill, F. R. (Jr.), Sales Engr., Poole Engrg. & Mch. Co.
 Marrow, G. P., Asst. Engr., Consld. Gas, Elec. Light & Power Co.
 Meade, R. K., Richard K. Meade Co., Law Bldg.
 Miller, A. S., V. P., Bartlett Hayward Co.
 Mitchell, G. K., Pres., Stand. Elec. & Elev. Co.
 Morton, J. W. (Jr.), Ch. Draftsman, Baltimore Oil Eng. Co.
 Munro, R. E., Ch. Insp., Hartford Steam Boiler Insp. & Ins. Co.
 Neidhardt, J. W., V. P., Genl. Mgr., Detrick & Harvey Mch. Co.
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 Norris, A. M. (Jr.), Mem. of Firm, Chatard & Norris.
 Passano, E. B., Pres., Mgr., Williams & Wilkins Co.
 Peirce, W. H., V. P., Baltimore Copper Smelting & Rolling Co.
 Pennington, J. H., Prod. Engr., Baltimore Copper Smelting & Rolling Co., Highlandtown P. O.
 Posey, J. (Jr.), Cons. Engr., 925 Fidelity Bldg.
 Powell, P. R. (Jr.), First Lieut., Engr., O. R. C., U. S. A.

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- Rausch, J. W., Mgr. Boiler Fly-wheel, Sprinkler Leakage Depts. and Inspc. Div., Md. Casualty Co.
- Reeder, C. L., Cons. Engr., Park Ave. and Saratoga St., Park Ave. Bldg.
- Reynolds, H. B. (Jr.), Mech. Asst. to Supt. M. P., United Rys. & Elec. Co.
- Saalfrank, R. B. (Jr.), M. E., 3753 Reisterstown Rd.
- Sandman, A. G., Ch. Draftsman M. P. Dept., B. & O. R. R. Co.
- Schmelsser, E. G., Secy., Treas., Baltimore Oil Eng. Co., Highlandtown.
- Schmidt, C. R., 200 E. 24th St.
- Scott, R. S., Engr. New Business Dept., Consld. Gas, Elec. Light & Power Co.
- Smallwood, J. C., Fellow, Johns Hopkins Univ.
- Straub, H. L., V. P., Chesapeake Elec. Co., Inc.
- Straus, W. R. (Jr.), Supt. Rolling Mills, Baltimore Copper Wks.
- Tillman, R. H., Mgr. New Business Dept., Consld. Gas, Elec. Light & Power Co.
- Tyser, L. (Jr.), Supt. Heating Div., Terminal Freezing & Heating Co.
- Tulloch, J. C., Ch. Draftsman, United Ry. & Elec. Co.
- Underhill, H. L., Engrg. Dept., Bartlett Hayward Co.
- Varney, W. W., M. E., Atty-at-Law, 1221 Calvert Bldg.
- Wagner, F. H., Ch. Engr., Bartlett Hayward Co.
- Walden, A. E., Ch. Engr., Supt., Baltimore Co. Water & Elec. Co.
- Webster, L. B., Capt. Ord. Dept., U. S. A., Inspc. Div., Bartlett-Hayward Co.
- Wiese, O. H. (Jr.), Designer, Baltimore Oil Eng. Co.
- Whiteside, S. P., M. E., The Alexander Milburn Co.
- Woodward, H. W. (Jr.), Lieut., E. O. R. C.
- Camp Meade.**—Flagg, P. M. (Jr.), Private, Co. F, 304th Engrs.
- Gibson, J. B. (Jr.), 2nd Lieut. Q. M. C., Natl. Army.
- McGlone, R. G. (Jr.), Capt. 23rd Engrs.
- Sharp, R. E. (Jr.).
- Cumberland.**—McKaig, W. W., Genl. Mgr., McKaig Mch., Fdy. & Supply Wks.
- Curtis Bay.**—Lednum, J. M. (Jr.), Jr. Engr., Davison Chem. Co.
- Muncaster, W. J., V. P., Genl. Mgr., Cumberland Steel Co.
- Garrett Park.**—Rucker, B. P., Cons. Engr.
- Hagerstown.**—Fox, H. K., Ch. Draftsman, M. P. Dept., Western Maryland Railway Co.
- Pangborn, T. W., Pres., Pangborn Corp.
- Whipple, C. E., Genl. Mgr., Treas., N. Y. Central Iron Wks. Co.
- Port Deposit.**—West, G. A. (Jr.), Draughtsman-Designer Wilmington Shops, Philadelphia, Baltimore & Washington R. R. Co.
- Sharptown.**—Eggle, C. H. Jr. (Jr.), Asst. Production Engr., East. Shore Shipbuilding Corp.
- Sparrows Point.**—Conn, T. D. (Jr.), Designer Engr., Bethlehem Steel Co.
- Hollmann, F. W., M. M. Rolling Mills, Bethlehem Steel Co.
- Keller, A. T., Ch. Engr., Bethlehem Steel Co.
- Kirk, D. (Jr.), Draftsman, Bethlehem Steel Co.

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Lane, H. C., Asst. Ch. Engr., Supt. Constr., Bethlehem Steel Co.,
Md. Steel Plant.

Robertson, L. B., Supt. Coke Dept. Md. Plant, Bethlehem Steel Co.

Sturmfelsz, G. J., Jr. (Jr.), Supt. of Boilers, Bethlehem Steel Co.

Wood, F. W., Genl. Mgr., Bethlehem Steel Co.

Stockton.—Safberg, B. F.

Thurmont.—Middleton, H., Cons. Engr., 1620 E. 55th St.

Westport.—Penniman, A. L., Jr. (Jr.), Supt. Steam Stas., Consld. Gas,
Elec. Light & Power Co.

Woodberry.—Fast, G., Mgr. Turbo-Gear Dept., Poole Engrg. & Mch. Co.

Westminster.—Cilley, Raymond, Wks. Mgr., The United Mch. Co.

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Acton.—Crooker, R.

Adams.—Campbell, J. A., Mech. Supt., Renfrew Mfg. Co.
Plunkett, C. T., Pres., Berkshire Cotton Mfg. Co.

Allerton.—Rivett, E.

Arlington.—Schwamb, P., Treas., Theodore Schwamb Co.

Ashland.—Angier, E. H., Treas., Angier Mills.
Dodge, I. B., Designer, Lombard Governor Co.

Athol.—Gorton, J. C., M. E., Union Twist Drill Co.
McGregor, J. A., Pres., Union Twist Drill Co.
MacKay, S., Wks. Mgr., L. S. Starrett Co.
Simpson, R. J. O., Supt., M. E., L. S. Starrett Co.

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Mossberg, F., Pres., Genl. Mgr., Frank Mossberg Co.
Rau, F. B., Frank Mossberg Co.
Tuttle, W. I., Treas. and Genl. Mgr., Frank Mossberg Co.

Ayer.—Lacombe, C. F., Capt. E. O. R. C., 25th Regiment Engrs., Camp
Devens.

Stults, W. R. (Jr.), Private, National Army, 18th Co., 5th Tr. Brl.,
Depot Brigade, Camp Devens.

Swain, P. W. (Jr.), Second Lieut., F. A., U. S. R., 303rd Heavy Field
Artillery, Camp Devens.

Belmont.—Rote, J. G. (Jr.), Townsend and Payson Rds.

Beverly.—Amneus, N. A., Mch. Designer, Experimental Dept., United
Shoe Mchy. Co.

Hadaway, J. B., Charge Exper. Dept., United Shoe Mchy. Co.

Leslie, B. S. (Jr.), United Shoe Mchy. Co.

Bondsville.—Shaw, B. C., Boston Duck Co.

Boston.—Abbey, F. H., Mgr. Boston Office, Gifford-Wood Co.

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 Adams, K. E., Head of Incandescent Lamp Div., Edison Elec. Ill. Co. of Boston.
 Aldrich, C. S. (Jr.), Treas., Gray-Aldrich Co., Inc.
 Allen-Tuck, J., Jr. (Jr.), Struc. Engr., Stone & Webster.
 Andersen, J. M., Pres., Albert & J. M. Andersen Mfg. Co.
 Anderson, H. W. (Jr.), United Shoe Mchy. Co.
 Andrew, J. D., The Edison Elec. Ill. Co. of Boston.
 Andrews, B. R., New England Mgr., Buffalo Forge Co.
 Andrews, D. H., Pres., Boston Bridge Wks., Inc.
 Ash, H. W., M. E., Warren Bros. Co.
 Ayres, R. S. (Jr.), Industrial Engr., Rice & Hutchins, Inc.
 Babbitt, A. B., Head of Dept. Drawing and Design, Wentworth Inst.
 Bailey, E. G., Pres., Bailey Meter Co.
 Bancroft, C. F., Supt. M. P. and Mchy., Bay State St. Ry. Co.
 Barkley, F. W., Cons. Engr., 161 Devonshire St.
 Barrus, G. H., Expt. and Cons. Steam Engr., 12 Pemberton Sq.
 Bartlett, C. H., Htg. and Vent. Engr., R. D. Kimball & Co.
 Bartlett, H., Ch. Mech. Engr., Boston & Me. R. R., North Sta.
 Bates, E. C., 122 Marlboro St.
 Behrend, B. A., Cons. Engr., 200 Devonshire St.
 Berge, G. H., Sales Mgr., Murphy Iron Wks.
 Berrenberg, R., Secy., Genl. Mgr., Am. Rotary Pump Co.
 Beyer, D. S., Mgr., Safety Engrg. Dept., Mass. Employees Ins. Assoc.
 Bigelow, C. M. (Jr.), Efficiency Engr., Cooley & Marvin Co.
 Bjork, C. G., Mech. Designer, Stone & Webster Engrg. Corp.
 Blakeley, G. W. (Jr.), Power Specialties Engr., H. W. Johns-Manville Co.
 Blood, L. E. (Jr.), Supt., S. A. Woods Mch. Co.
 Bowers, G. W., Mech. and Cons. Engr., 53 Devonshire St.
 Breaker, H. O., Mgr., Am. Incandescent Heat Co.
 Brengel, F. J., Supt., Bailey Meter Co.
 Bridges, L. W., M. E., Charles H. Tenney & Co.
 Brigham, E. F., M. E., N. E. Confectionery Co.
 Brinckerhoff, H. G., Industrial & Engrg. Equip., 10 High St.
 Brown, C. W., Industrial Power Specialist, Stone & Webster Management Assoc.
 Brown, E. C., Cons. Engr., Edward C. Brown & Co.
 Brown, H. S. (Jr.), N. E. Sales Mgr., Power Spec. Co.
 Brown, H. W. (Jr.), Asst. Engr., Am. Agri. Chem. Co.
 Bump, A. E., Mgr. Constr. and Mech. Depts., East Dist., Swift & Co.
 Burlleigh, C. B., Dist. Mgr. Ltg. Dept., Genl. Elec. Co.
 Burlleigh, W. S. (Jr.), Statistician, Wm. Whitman Co., Inc.
 Bushnell, F. N., Engrg. Mgr., Stone & Webster.
 Cabot, W. K., Asst. Mgr., M. E., Wm. Underwood Co.
 Cargill, W. N., Lumsden & Van Stone Co.
 Carhart, A. B., Wks. Mgr., Crosby Steam Gage & Valve Co.
 Carleton, R. A., Pres., Carleton-Mace Engrg. Corp.
 Carter, C. R., Industrial Engr., Scovell Wellington & Co.
 Chamberlain, A. B., Engr. Steam Div., Sta. Engrg. Dept. Constr. Bureau, Edison Elec. Ill. Co. of Boston.
 Chandler, C. A., 31 State St.
 Chapman, D. A., Efficiency Engr., Touraine Confectionery Co., The Dangel Co., Everett.
 Chapman, R. E. L., Supt. Bldgs. Pur. Agt., Amory Elliot Trustee.
 Chase, H. A., Supt. Cummings Mch. Wks.
 Cheney, N., Engr., Stone & Webster Engrg. Corp.

MASSACHUSETTS, Boston (Continued)

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 Church, W. L., Pres., Uni-Form Co.
 Churchill, C. O., Salesman, Lackawanna Steel Co.
 Clark, E. H. (Jr.), First Asst. Engr. Bldg. and Power Dept., Mass. Inst. of Tech.
 Clark, E. E., Fire Ins., Engr., Associated Factory Mutual Fire Ins. Co.
 Clark, E. L., Mgr. Steam Sales Power Dept., Westinghouse Elec. & Mfg. Co.
 Clark, F. S., M. E., Stone & Webster Engrg. Corp.
 Clarke, A. F., Priest, Page & Co.
 Clarke, C. W. E., M. E., Stone & Webster Engrg. Corp.
 Cobb, H. P., Industrial Engr., D. B. Lewis & Co.
 Cogswell, L. W., Eng. Designer, Kinney Mfg. Co., Jamaica Plain.
 Cohen, A. S., M. E., C. L. Howes, 514 Atlantic Ave.
 Cole, F. B., Asst. Engr., Chas. T. Main, 201 Devonshire St.
 Cole, R. A. (Jr.), Engr., Robert T. Pollock Co.
 Collins, B. R. T., Ch. Engr., Spray Engrg. Co.
 Coonley, H., Pres., Walworth Mfg. Co.
 Cope, R. H. (Jr.), Sales Engr., Taylor-Wharton Iron & Steel Co.
 Croghan, J. T., Constr. Supt., Stone & Webster Engrg. Corp.
 Crosby, W. W., Mill Engr. & Arch., H. M. Haven & Wm. W. Crosby.
 Cummings, H. H., Pres., Cummings Mch. Wks.
 Curtis, R. E., Edison Elec. Ill. Co. of Boston.
 Cutter, G. A., Industrial Co.
 Daggett, H. C., Mgr. New England Office, S. Morgan Smith Co.
 Davidson, A., Sales Engr., Westinghouse Elec. & Mfg. Co.
 Davis, A. R. (Jr.), M. E., Stone & Webster.
 Davis, H. H., Machy., Mfrs. Agt. and Dealer, 24 Milk St.
 Daves, H. N., V. P., Treas., Nightingale & Childs Co.; Pres., Putnam-Morrill Co.
 Dean, D. K. (Jr.), Dist. Sales Mgr., Alberger Pump & Condenser Co.
 Densmore, E. D., Engr., Arch., Densmore & LeClear.
 Derry, G. C. (Jr.), Sales Engr., B. F. Sturtevant Co., Hyde Park.
 DeWolf, J. O., Mech. and Mill Engr., 19 Milk St.
 Dillon, R. E. (Jr.), Asst. Supt. Generating Dept., Edison Elec. Ill. Co. of Boston.
 Dock, H., Ch. Engr., Am. Rotary Power Co.
 Doten, W. L., M. E., The Lamson Co.
 Dowst, F. B., West Roxbury.
 Duncan, A. G., Treas., Harmony Mills.
 Durfee, W. C., Cons. and Mfg., Chem., Winthrop C. Durfee, 516 Atlantic Ave.
 Dusossoit, O., Taylor Instrument Co.
 Edgar, C. L., Pres., Genl. Mgr., Edison Elec. Ill. Co. of Boston.
 Edwards, H. H. (Jr.), Engr. Constr. Dept., Swift & Co.
 Edwards, W. W., Head Dept. Steam Engrg., Wentworth Inst.
 Eldredge, A. H., N. E., Cons. Engr., North Packing & Provision Co.
 Elmer, N. W., Conveyor Expt., The Lamson Co.
 English, W. T., Pres., Walworth-English-Flett Co.
 Evans, H. W., V. P., Genl. Mgr., Farnsworth Mfg. Co.
 Fairbanks, F. L., Ch. Engr., Quincy Market Cold Storage & Warehouse Co.
 Fairchild, F. P. (Jr.), Engr. Mech. Div., Stone & Webster.
 Fallon, J. B. (Jr.), Treas., Stickney & Poor Spice Co.
 Farrar, C. O., Rm. 603, 15 Ashburton Pl.
 Farrell, F. L. (Jr.), N. E. Mgr., Green Fuel Economizer Co.
 Fish, C. H., Cons. Engr., 1009 Tremont Bldg.

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 Fiske, G. I., Supt. of Maintenance, Christian Science Publishing Soc.
 Flather, F. A., Treas., Boott Mills.
 Foley, L. H. (Jr.), Stone & Webster Engrg. Corp.
 Ford, W. D., Sales Engr., Winthrop Pump & Mchy. Corp.
 Freeman, F. S., Supt. Power, Boston Elev. Ry. Co.
 French, E. V., V. P., Engr., Arkwright Mut. Fire Ins. Co.
 Gleason, G. H., Mech. Equip., 141 Milk St.
 Glenn, J. F., N. E. Sales Mgr., Edge Moor Iron Co.
 Gooding, C. S., M. E., Pat. Solicitor, 27 School St.
 Greene, E. L., Pres., Lockwood, Greene & Co.
 Greensmith, J. E., Pres., Boston Scale & Mch. Co.
 Greenwood, T. T., Pat. Solicitor, B. J. Noyes, 40 Court St.
 Griffin, P. K., M. E., Harry M. Hope Engrg. Co.
 Hadley, F. V., Ch. Engr., Am. Incandescent Heat Co., Inc.
 Hale, H. A., Jr., Capt., Engr. Officers' Reserve Corps; Cons. Mech. Engr., 65 Kilby St.
 Hale, R. S., Supt. Spec. Research Dept., Edison Elec. Ill. Co. of Boston.
 Hartford, L. C. (Jr.), Dev. Engr., Parvin Harbaugh Real Estate.
 Hartwell, H. B. (Jr.), Ch. Draftsman, Crosby Steam Gage & Valve Co., Charlestown.
 Haven, H. M., M. E., H. M. Haven & Wm. W. Crosby.
 Hayes, F. H., Mem. of Firm, F. H. Hayes Mchy. Co.
 Heermann, F. M., Engr. Spec. Insp., Factory Mut. Fire Ins. Co.
 Herrick, C. H., N. E. Rep. Gas Eng. Dept., National Meter Co.
 Herrick, D. A. (Jr.), Supt., Julian d'Este Co., 26 Canal St.
 Higgins, G. F., Treas., Gem Stamped Steel Co.
 Hildreth, W. O. (Jr.), Engr., Lamson Co.
 Hile, C. H., Secy., N. E. St. Ry.
 Hobbs, F. W., Pres., Arlington Mills.
 Hogan, P. H., N. E. Mgr., Dearborn Chem. Co.
 Hogue, O. D., 550 Tremont Bldg.
 Holmes, O. W., Efficiency Engr., Mech. Products, Prop., O. W. Holmes Co.
 Hosmer, S., E. E., Edison Elec. Ill. Co.
 Hoxie, F. J., Engr. Spec. Insp., Asso. Factory Mut. Ins. Cos.
 Hubbard, A., Member of Firm, Hollis French & Allen Hubbard.
 Hunter, C. W., Gas Engr., Stone & Webster.
 Hutchinson, R., Dist. Sales Mgr., Babcock & Wilcox Co.
 Irwin, K. McH. (Jr.), Engr. Sta. Betterment Div., Stone & Webster Engrg. Corp'n.
 Jackson, H. D., M. E., Monks & Johnson.
 Jacobs, A. (Jr.), Mech. Draftsman, Kinney Mfg. Co.
 Jennings, C. S., Asst. Ch. Engr., Lamson Co.
 Jennings, E. M. (Jr.), Sales Mgr., Jarvis Engrg. Co.
 Jerauld, W. E., Genl. Supt., Am. Steam Gauge & Valve Mfg. Co.
 Johnson, J. W. (Jr.), Engrg. Dept., Am. Agri. Chem. Co.
 Jones, W. T., Engr., Consld. Engrg. Co.
 Kaven, M. B., V. P., Genl. Supt., United Shoe Mchy. Co.
 Kellogg, A. S., Cons. Engr.
 Kemble, P. H., 293 Marlborough St.
 Kennedy, W. J., Ch. Engr. Generating Dept. Edison Elec. Ill. Co.
 Keough, W. T., Business Agt., Boston Public Schs.
 Kilgour, D. F., M. E., for Chas. E. Cotting, Trustee, 11 Pemberton Sq.
 Kimball, R. D., Cons. Engr., Richard D. Kimball Co.
 King, C., Instr., Wentworth Inst.

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 Kunhardt, L. H., V. P., Engr., Boston Mfrs'. Mut. Fire Ins. Co.
 Lacount, H. O., Engr., Asst. Secy., Asso. Factory Mut. Fire Ins. Cos.
 Lawton, M. A., Treas., A. J. Morse & Son, Inc.
 Leach, R. W. E., N. E. Mgr., Am. Engrg. Co.
 Leathers, H. H., Sales Engr., Schumaker-Santry Co.
 Libbey, J. H., Asst. E. E., Bay State St. Ry. Co.
 Lichtner, W. O., Cons. Engr., Thompson & Lichtner, Federal St. Bldg.
 Lorentzen, G. A. (Jr.), Foreman Mch. Shop, W. F. Schrafft & Sons Corp.
 Loring, E. J., Lamson Co.
 Lowe, H. L., Stone & Webster Engrg. Corp.
 Luck, G. A., Deputy Ch. Mass. Inspc. Dept., Chairman Bd. of Boiler Rules.
 Lundquist, W. E., Ch. Draftsman Steam and Elec. Div., Edison Elec. Ill. Co.
 McIntosh, W. S., Wks. Mgr., S. A. Woods Mch. Co.
 McKittrick, P. A., Foreign Sales Dept., Saco-Lowell Shops.
 McLauthlin, M. B., Treas., Geo. T. McLauthlin Co.
 Macdonald, J. W. F., Managing Engr., Merrill Process Co.
 Main, C. T., 201 Devonshire St.
 Manker, F. W. (Jr.), Am. Incandescent Heat Co.
 Martin, G. R., Asst. Genl. Mgr., Am. Steam Gauge & Valve Mfg. Co.
 Mazzur, F. A., N. E. Mgr., Wheeler Condenser & Engrg. Co.
 Meisel, O. C. F. (Jr.), Meisel Press Mfg. Co.
 Merrill, F. A., Mgr., Merrill Co.
 Metcalf, L., Mem. of Firm, Metcalf & Eddy.
 Middleton, N. A., Engr. in charge Engrg. Dept., Hornblower & Weeks.
 Monaghan, J. F., Cons. Engr., 79 Milk St.
 Monks, A. G., Partner, Monks & Johnson.
 Moore, C. F., Cons. Engr., U. S. Smelting, Refining and Mining Co.
 Morss, E., Pres., Simplex Wire & Cable Co.
 Morss, H. A., V. P., Simplex Wire & Cable Co.
 Morton, H. E., State Insp. Boilers, Commonwealth of Mass.
 Mosman, C. T., Dist. Engr., Genl. Elec. Co.
 Moulthrop, I. E., Asst. Supt. Constr. Bureau, Edison Elec. Ill. Co.
 Moyer, J. A., Dir. State Dept., Univ. Extension.
 Oakes, W. H., V. P., Treas., Buerkel & Co., Inc.
 Olson, M. L., Instr. Mech. Drawing, Hyde Park High Sch.
 Paine, S. B., Mgr., Mill Power Dept., Genl. Elec. Co.
 Palmer, G. W., Jr., Bay State St. Ry. Co.
 Park, W. R., Cons. Engr., United Injector Co.
 Parker, C. H., Supt. Generating Dept., Edison Elec. Ill. Co.
 Parker, L. H., Pres., Spray Engrg. Co.
 Pendergast, R. B., 79 Milk St.
 Pepper, C. L. (Jr.), Agt. Vocational Education, Mass. Bd. of Education.
 Perry, F. B., Mill Power Dept., Genl. Elec. Co.
 Phillips, L. R. (Jr.), Mech. Asst. Constr. Dept., Swift & Co.
 Platts, C. A., Transportation Engr., Kelly-Springfield Motor Truck Co.
 Powell, E. B., Betterment Engr., Stone & Webster.
 Purinton, J. W. (Jr.), M. E., H. P. Hood & Sons.
 Reed, H. A., Supt. of Constr., Stone & Webster.
 Reid, G. L. (Jr.), Statistical Dept., Stone & Webster.
 Reynolds, F. W., Member of Firm, Lockwood, Greene & Co.
 Richardson, C. T., Asst. Mgr. Constr. Dept., Swift & Co.

MASSACHUSETTS, Boston (Continued)

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 Robertson, C. J., M. E., United Printing Mch. Co.
 Rogers, C. O., Sales Engr., The Chas. J. Jagar Co.
 Russell, W. B., Dir., Franklin Union.
 Sagendorph, G. A., Pres., Penn Metal Co.
 Schmidt, F. W. (Jr.), Asst. Engr., The Am. Agrl. Chem. Co.
 Scovell, C. H., Partner, Scovell, Wellington & Co.
 Scrannage, L. E. (Jr.), Wks. Mgr., Boston Auto Gage Co.
 Seabury, G. E., Supt. Station Eng. Dept., Edison Elec. Ill. Co.
 Seymour, J. W. (Jr.), Office Mgr., C. & G. Cooper Co.
 Shepard, F. J., Jr. (Jr.), Treas., Ch. Engr., Lewis-Shepard Co.
 Smith, C. H., Engr., Spec. Inspr., Associated Factory Mutual Fire
 Ins. Cos.
 Smith, E., Turbine Sales Engr., Genl. Elec. Co.
 Smith, E. W. G., Ch. Draftsman, Am. Steam Gauge & Valve Mfg. Co.
 Snow, S. M., Cons. Engr., 55 Kilby St.
 Snow, W. B., Publicity Engr., 136 Federal St.
 Snow, W. G., N. E. Mgr., Warren Webster & Co.
 Soper, C. C., Instr. Mch. Drawing, Mch. Design, Wentworth Inst.
 Spofford, H. H. R. (Jr.), Sales Engr., Schutte & Koerting Co.
 Starbuck, G. F. (Jr.), Draftsman, Boston Elev. Ry. Co.
 Starkweather, W. G., Member of Firm, Starkweather & Broadhurst.
 Stevens, E. M., New England Agt., Nashua Mch. Co.
 Stevens, H. L., Dist. Sales Mgr., Lackawanna Steel Co.
 Stevens, S., V. P., Ludlow Mfg. Associates.
 Stoddard, C. J., Ch. Inspr., Employers' Liability Assurance Corp., Ltd.
 Stoddard, G. H., Treas., Mgr., Quincy Market Cold Storage & Ware-
 house Co.
 Tallmadge, W., Power Apparatus Engr., Westinghouse Elec. & Mfg. Co.
 Taylor, P. H. (Jr.), Asst. Engr., Richardson & Hale.
 Teague, W. O., Engr., Inspr., Associated Factory Mutual Fire Ins. Cos.
 Tenney, A. B., V. P., Charles H. Tenney & Co.
 Thompson, R. E., Factory Supt., Gillette Safety Razor Co.
 Thompson, S. E., Cons. Engr., Thompson & Lichtner.
 Timble, W. H., Head of Dept. Applied Science, Wentworth Inst.
 Tobey, W. L., M. E., Boston Engr. Co.
 Uhl, W. F., Hyd. Engr., Charles T. Main, 201 Devonshire St.
 Vaughan, J. F., Engr. 185 Devonshire St.
 Von Vittinghoff, H., Stone & Webster.
 Walworth, A. C., Pres., Malleable Iron Fittings Co. of Branford, Conn.
 Warner, R. L., Banker, Warner, Tucker & Co.
 Warren, R. L., Genl. Mgr., Warren Brog. Co.
 Wason, L. C., Pres., Aberthaw Constr. Co.
 Wattles, J. W., 3d (Jr.), Commer. Engr. Sales Dept., Edison Elec. Ill.
 Co.
 Webre, A. L., M. E., E. B. Badger & Sons Co.
 Webster, G. A., Supt., Star Brass Mfg. Co.
 Weld, A. O., Treas. & Genl. Mgr., George A. Weld Co.
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 Williston, B. T., Wks. Mgr., United Injector Co.
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 Yard.
 Winther, C. A. G., Pres., Genl. Mgr., Chas. A. G. Winther Co.
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Fitch, C. R., Genl. Mgr., Stanley Wks.

Brightwood.—Shepard, H. O. (Jr.), Constr. Supt., Metals Production Equip. Co.

Brockton.—Montgomery, W. J., Head of Mch. Dept., Brockton High School.
Scriven, A. K. (Jr.), Supt. Mch. Dept., Sterling Motor Co.
Washburn, W. S., Credit Man, Whitman & Keith Co., 1363 Main St., Campello Sta.

Brookline.—Appleton, C. B., M. E., Netherlands Rd.
Richardson, E. B., Major 101st Reg. Field Artillery.
Smith, J. W., 16 Hamilton Rd.
Wadsworth, G. R., Ch. Engr., Naval Aircraft Factory, Navy Yard, Philadelphia.

Cambridge.—Adams, C. A., Abbott and James Lawrence Prof. of Engrg., Mass. Inst. of Tech., Harvard Univ.
Alden, F. A., Cons. Engr., 60 Gorham St.
Ashton, A. C., Genl. Mgr., Ashton Valve Co.
Blakeman, W. W., Supt., Blanchard Mch. Co.
Braman, S. N., Mgr., Morss & Whyte Co.
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Burke, W. S., Harvard College.
Crothers, C. E., Jr. (Jr.), M. E., 1663 Cambridge St.
Fales, D. A. (Jr.), Instr. Aeronautical Motors Military Sch. of Aeronautics and Naval Aviation Detachment, Mass. Inst. of Tech.
Ferretti, A. J. (Jr.), Asst. Instr. M. E., Mass. Inst. of Tech.
Fuller, C. E., Prof. Theo. and Applied Mech., Mass. Inst. of Tech.
Fulton, A. O. (Jr.), Mgr. Hy-Ten Dept., Wheelock-Lovejoy & Co.
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Gay, H., Engr., Stone & Webster.
Haven, G. B., Prof., Mass. Inst. of Tech.
Hayward, H. W., Assoc. Prof. Applied Mech., Mass. Inst. of Tech.
Jackson, D. C., 248 Boylston St., and Mass. Inst. of Tech.; also, D. C. & Wm. B. Jackson, Chicago, Ill.
Johnston, W. A., Prof. Theo. and Applied Mech., Mass. Inst. of Tech.
Juthe, K. A., Ch. Engr., Wheelock-Lovejoy & Co.
Kennedy, F. L., Assoc. Prof. Engrg. Drawing., Harvard Univ.
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Little, A. D., Pres., Arthur D. Little, Inc.
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Marshall, H. F. (Jr.), Aviation Student, U. S. A. School of Military Aeronautics, Mass. Inst. Tech.
Miller, E. F., Prof. Steam Engrg., Mass. Inst. of Tech.
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Norton, C. L., Prof. of Industrial Physics, Mass. Inst. of Tech.
Park, C. F., Prof. Mech., Dir. Mech. Labs., Mass. Inst. of Tech.
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Robinson, K. C. (Jr.), Instr. M. E., Mass. Inst. of Tech.

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 Swain, G. F., Cons. Engr., Prof. C. E., Mass. Inst. of Tech., and Harvard Univ.
 Taft, T. H., Asst. Prof. M. E., Mass. Inst. of Tech.
 Taylor, D. M., Instr. in Mech. Engrg., Mass. Inst. of Technology.
 Tyler, W. C., 11 Everett St.
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Campello.—Hamilton, K. D. (Jr.), M. E., Geo. E. Keith Co.

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Chelsea.—Larkin, W. H., Jr., M. E., Revere Rubber Co.

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 Storms, F. F., Pres., Genl. Mgr., Page-Storms Drop Forge Co.

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 Hawes, J. H., Junior Master Boston Schs., Dorchester High Sch.
 Hern, J. L., Con., M. E., J. L. Hern Engrg. Co.

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 Nutter, C. L., Treas., Old Colony Fdy. Co.
 Scott, G. H., Carver Cotton Gln Co.

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 Cutler, A. E., Mech. Supt., Ashton Valve Co.
 Parker, A. W., M. E., Worthington Pump & Mch. Corp'n., Blake & Knowles Wks.
 Worcester, H. E., Supt., Revere Sugar Refinery.

East Springfield.—Wright, A. C., Cons. Engr. East Springfield Plant, New England Westinghouse Co.

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Gilmore, G. P., Plant Engr., Am. Ptg. Co.

Gordon, L. A., Supvg. Engr., City of Fall River.

Henry, W. T., P. O. Box 152.

Fitchburg.—Almy, T. R., Jr., Plant Engr., Falulah Paper Co.

Baumis, Frank G., Asst. Wks. Mgr., Putnam Mch. Co.

Brown, B. F., Pres., Mgr., Brown Bag-Filling Mch. Co.

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Fosdick, F., Pres., Fitchburg Steam Eng. Co.

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Johnson, H. W., Acting Wks. Mgr., Putnam Mch. Co.

Lowe, W. V., Engrg. Dept., Putnam Mch. Co.

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Parks, H. M., V. P., Secy., G. M. Parks Co.

Sheldon, T. C., Secy., Treas., Fitchburg Duck Mills.

Thompson, A. W., Managing Engr., G. M. Parks Co.

Wing, C. E., Engr., The G. M. Parks Co.

Framingham.—Fitch, W. S., Constr. Engr., Dennison Mfg. Co.

Leland, S. D., Pres., Genl. Mgr., Mfg. Equip. & Engrg. Co.

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Scott, H. F., M. M., Dennison Mfg. Co.

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Gardner.—Watkins, E. G., Pres., Simplex Time Recorder Co.

Gloucester.—Behr, F. J., Capt. Coast Artillery Corps, U. S. A., Hammond Radio Research Lab.

Hammond, J. H., Jr., Inventor.

Trenor, A. D., Engr., Hammond Radio Research Lab.

Greenfield.—Bascom, R. S., Supt., A. J. Smart Mfg. Co.

Brooks, J. C., M. E., Asst. to V. P., Goodsell-Pratt Co.

Judge, F., Genl. Supt., Greenfield Tap & Die Corp'n.

Schoof, A. W., Supt., Gage Dept., Greenfield Tap & Die Corp'n.

Smart, C. E., Wks. Mgr., Wells Bros. Co. Div., Greenfield Tap & Die Corp.

Smith, E. F., Pres., Genl. Mgr., Greenfield Mch. Co.

Smith, H. J. (Jr.), Supt., Russell Mfg. Co.

Wells, F. O., Pres., Greenfield Tap & Die Corp'n.

Haverhill.—Gréist, P. R., Pres., Genl. Mgr., Hamel Shoe Mchy. Co., Inc.

Lefrén, K. A. A., Engr., Haverhill Box Board Co.

Holyoke.—Beaman, P. A., Asst. Supt., Geo. W. Prentiss & Co.

Bidwell, P. W., B. F. Perkins & Son, Inc.

Brassington, J. W., Ch. Engr., Am. Writing Paper Co.

Chase, H. M., M. E., Deane Wks., Worthington Pump & Mchy. Corp'n.

Cleveland, F. P., Secy. and Treas., B. F. Perkins & Son, Inc.

Curry, M., Genl. Engr., Am. Thread Co.

Eidmann, F. L., Supt., Cowan Truck Co.

Fleming, W. M., Engr. in Charge Drawing Rm., Deane Wks.

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 Metcalf, F. H., Treas., Agt., Farr Alpaca Co.
 Newcomb, C. L., Genl. Mgr., Deane Steam Pump Co.
 Newcomb, R. E., Supt., Deane Steam Pump Wks.
 Richardson, A. C. (Jr.), Engr., Office of Genl. Engr., Am. Thread Co.
 Skinner, J. A., Treas., Wm. Skinner & Sons.

Hopedale.—Merrill, C. F., Asst. Ch. Draftsman, Draper Corp.

Hopkinton.—Sturgess, J.

Hyde Park.—Bentley, O. D. H., Mgr., Engr. Turbine Dept., B. F. Sturtevant Co.

Hagen, H. F., Mgr. of Research, B. F. Sturtevant Co.
 Ilsley, J. P., Genl. Mgr., Becker Milling Mch. Co.
 Jennings, A. L., Treas., John T. Robinson Co.
 Leonard, M. S., Ch. Engr., B. F. Sturtevant Co.
 Suck, A., 94 Arlington St.

Indian Orchard.—Cook, H. H. (Jr.), Engr., Chapman Valve Mfg. Co.
 Curtis, W. M., Cons. Engr., Fiberloid Co.
 Lovejoy, F. O., Factory Mgr., The Fiberloid Co.
 Nourse, C. L., M. E., Fiberloid Co.

Ipswich.—Campbell, J., Major, U. S. R.
 Williams, F. B., M. E., Lamson Co.; 1st Lieut. Ord. Dept., U. S. R.,
 Am. Ord. Base Depot, France.

Lancaster.—Richardson, G. E.

Lawrence.—Diman, G. H., Cons. Engr., Wood Worsted Mill.
 Elchler, W. G. (Jr.), Asst. M. E., Worsted Dept., Pacific Mills.
 Emerson, H. B., Supt. Mech. Dept., Arlington Mills.
 Hale, R. A., Prin. Asst. Engr. and Cons. Engr., Essex Company.
 Knowlton, W. B. Ch. Draftsman, Am. Woolen Co.
 Mellor, H. L., Pres., Mgr., Lawrence Pump & Eng. Co.
 Milliken, J. L., Res. Agt., Everett Mills.
 Parker, W. E., Agt., Pacific Mills.
 Perkins, H. F., Asst. M. E., Worsted Dept., Pacific Mills.
 Schwartz, F. H. (Jr.), M. E., Pacific Mills, Worsted Dept.
 Smith, C. P. (Jr.), Pacific Mills.
 Whitney, W. S., Supvg. Engr., Am. Woolen Co.

Lee.—Stevenson, L. T. (Jr.), Treas. and Mgr., Mountain Mill Paper Co.

Leominster.—Barnes, W. O., Cons. Engr., 770 Main St.
 Bates, Charles G., Jr., Cons. Engr., The Viscolord Co.

Lexington.—Calder, J., Cons. Engr., 25 Merriam St.

Lowell.—Ames, G. E., Mech. Supt., Lawrence Mfg. Co.
 Bryan, M. K., M. E., John A. Stevens.
 Cove, J. R., M. M., Mass. Cotton Mills.
 Cunningham, F. M. E., John A. Stevens, 8 Merrimack St.
 Curley, R. S. (Jr.), M. E., Saco-Lowell Co.
 Dean, H. R. (Jr.), Engr., John A. Stevens, 8 Merrimack St.
 Diemer, H., Major Ord. U. S. R., U. S. Cartridge Co.
 Duveneck, F. B. (Jr.), Mch. Dept., Merrimack Mfg. Co.

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 Guething, T. H. (Jr.), Asst. to John A. Stevens, Engr.
 Heinze, J. O., 535 Varnum Ave.
 Jackman, C. C., Factory Mgr., Massachusetts Saw Wks.
 Lord, H. C., Engr., John A. Stevens, 8 Merrimack St.
 Mather, Harold T., 1st Lieut., C. A. C., O. R. C., Ft. Monroe, Va.
 Milliken, A. D., Agt., Hamilton Mfg. Co.
 Nourse, F., Ret. Mfr., P. O. Box 1236.
 Perkins, G. H., Head Textile Engrg. Dept., Lowell Textile Sch.
 Ratzkoff, S. M., Head of Steel Lab., U. S. Cartridge Co.
 Reeds, C., Cons. Engr., John A. Stevens, 8 Merrimack St.
 Robinson, C. A., Mech. Supt., Merrimack Mfg. Co.
 Safford, A. T., Cons. Hyd. Engr., Proprietors Locks & Canals.
 Slader, W., M. E., John A. Stevens, 8 Merrimack St.
 Stevens, J. A., John A. Stevens, 8 Merrimack St.
 Thomas, E. W., Agt., Boott Mills.
 Thorpe, G. H., M. E., John A. Stevens, 8 Merrimack St.
 Townsend, G. R., V. P., Genl. Mgr., Intl. Steel & Ordnance Co.
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 Wright, A. M. (Jr.), Engrg. Dept., U. S. Cartridge Co.

Ludlow.—Bennett, G. G., Mill Supt., Ludlow Mfg. Associates.
 Burbank, L. S., M. E., Ludlow Mfg. Associates.
 Chapman, A. P., Supt. Power and Repairs, Ludlow Mfg. Associates.
 Fogler, B. B. (Jr.), Efficiency Engr., Ludlow Mfg. Associates.
 Morrill, H. W., Agent, Ludlow Mfg. Associates.

Lynn.—Carroll, M. B., Genl. Elec. Co.
 Hatch, H. J., Engr. Constr. Dept., Genl. Elec. Co.
 Johnson, W., Asst. Engr. Turbine Eng. Dept., Genl. Elec. Co.
 Pohle, R. F. (Jr.), Secy., Treas., Lynn Tool & Mch. Co.

Malden.—Nute, E. L. (Jr.), Mech. Supt., Converse Rubber Shoe Co.

Mansfield.—Bannon, L. M. (Jr.), M. E., Mansfield Bleachery.

Marblehead.—Curtis, G. S., Treas., Burgess Co., Pres., Curtis Co.

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Methuen.—Hartshorne, W. D., Cons. Engr., 40 Pleasant Ave.

Milton.—Chandler, Howard T., Supt., Walter Baker & Co., Ltd.

Mittineague.—Franklin, B. A., V. P., Strathmore Paper Co., and Major
 U. S. Ord. Dept., Washington, D. C.
 Williamson, G. E., Ch. Engr., Strathmore Paper Co.

Neponset.—Hibbard, T., Treas., M. E., Geo. Lawley & Son Corp.

New Bedford.—Bolton, W., Jr. (Jr.), M. M., Acushnet Mills Corp.
 Cushman, H. E., Treas., Genl. Mgr., Morse Twist Drill & Mch. Co.
 Davenport, W. S., Treas., Davenport Mch. Tool Co.
 Earle, F. E., Pres., Treas., F. E. Earle Co.
 Gladding, W. M., Mech. Supt., Morse Twist Drill & Mch. Co.
 Reed, F. M., M. E., Morse Twist Drill & Mch. Co.

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Newton.—Cary, A. F., M. E., Stanley Motor Carriage Co.

MASSACHUSETTS, Newton (Continued)

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Staley, A. C., Research Engr., Stanley Motor Carriage Co.

Newton Upper Falls.—Banfield, F. E., Jr. (Jr.), Asst. Supt., Saco-Lowell Shops.

Mills, C., Cons. Engr., Saco-Lowell Shops.

Norfolk Downs.—Doble, R. N., M. E., Pneu. Scale Corp., Ltd.**North Adams.**—Clark, G. A., M. E., Arnold Print Wks.

Forbush, F. L., State Insp. Boilers, Commonwealth of Mass.

Guthrie, J. F. (Jr.), M. E., Arnold Print Wks.

Hunter, J. D., V. P., Hunter Mch. Co.

Mahy, A. H., Ch. Engr., Supt. of Wks., North Adams Gas & Elec. Light Co.

North Andover.—Rockwell, S. F., Mfg. Supt., Davis & Furber Mch. Co.**North Brookfield.**—Richards, T. G., Mgr., Quabaug Rubber Co.**North Plymouth.**—Damon, J. H., M. M., Plymouth Cordage Co.**Norwood.**—Guillo, H. P., Supt., Geo. H. Morrill Co.

Kendall, H. P., Treas., Plimpton Press, Pres., Lewis Mfg. Co.

West, E. H., Asst. Treas., Geo. H. Morrill Co.

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Blasdel, A. F., Mfg. Supt., Genl. Elec. Co.

Crawford, T. G., Supvr. of Drafting, Genl. Elec. Co.

Jones, E. A., Pres., Treas., E. D. Jones & Sons Co.

Power, P. W., M. E., Genl. Elec. Co.

Prior, W. C. (Jr.), Ch. Draftsman, Eaton, Crane & Pike Co.

Robbins, J. L., M. E., Robbins, Gamewell & Co.

Thomas, W. R., M. E., Supt., E. D. Jones & Sons Co.

Toppin, J. M. (Jr.), M. E., Cons. Engr., 21 Livingstone Ave.

Quincy.—Abbott, H. W. (Jr.), Fore River Shipbuilding Corp.

Binley, W., Jr., Ch. Hull Draftsman, Fore River Shipbuilding Corp.

Byanskas, J. M. (Jr.), 26 Francis Ave.

Goodman, H. M. (Jr.), Chaser, Fore River Shipbuilding Corp'n.

Knapp, W., Shop Supt., Dayton-Dick Co.

Schlenker, Rudolf P., Draftsman, Fore River Shipbuilding Corp.

Readville.—Paterson, L. B. (Jr.), Scheduling Engr., N. Y., N. H. & H. R. R.

Schlenker, R. P. (Jr.), Fore River Shipbuilding Corp'n.

Rowley.—Lewis, H. I. (Jr.), care of A. L. Lewis, Kittery Rd.**South Boston.**—Blood, C. W. H., V. P., Treas., S. A. Woods Mch. Co.

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Ekstrom, H. L. (Jr.), Treas., H. C. Dodge, Inc.

Gibson, F. M., Ch. Engr., Am. Sugar Refining Co.

Greene, L. R., Cons. Engr., Walworth Mfg. Co.

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 Pohle, W. B. (Jr.), Ch. Draftsman, Nelson Blower & Furnace Co.
 Tilden, J. A., V. P., Genl. Mgr., Hersey Mfg. Co.
 Van Stone, C., V. P., Lumsden & Van Stone Co.

South Easton.—Cushing, R. A., Easton Mch. Co.

South Framingham.—Butcher, J. J., Cons. Engr., Motor Truck Dept., Guiler Engrg. Co.

South Weymouth.—Hanson, J. J. (Jr.), 65 West St.

South Yarmouth.—Davis, C. H.

Southbridge.—Berliner, R. W., Engr. of Wks. Engrg. Dept., Am. Optical Co.

Gunning, W. A., Head Draftsman, Am. Optical Co.

La Croix, A. J., Supt., Hyde Mfg. Co.

Springfield.—Barstow, F. L., Engr., Leitch & Barstow.

Baush, W. H., Sales Mgr., Natl. Equip. Co.

Bellamy, L., Res. Engr., Dodge Sales & Engrg. Co.

Bliss, C. E., Bliss & Lavalley.

Basnian, L. H. (Jr.), Asst. to Cons. Engr., N. E. Westinghouse Co.

Burges, C. W., Tool Engr., Hendee Mfg. Co.

Burleigh, R. B., Rep., Quality Saw & Tool Wks.

Carey, H. W., Supt. of Factory, Stand. Elec. Time Co.

Cook, G. W., Sr. Inspr., Travelers' Ins. Co.

Craig, C. H., Jr., Mem. of Firm, McClintock & Craig.

Damon, W. H., Supt. of Generating United Elec. Light Co.

Elder, E. H., Cons. Engr., Elder & Elder.

Eyre, J. J., Engr., N. E. Westinghouse Co.

Green, S. M., Pres., Owner Samuel M. Green Co.

Gurney, E. R., Asst. Engr., Knox Motors Co.

Haines, H. S., 1154 Worthington St.

Harley, L. J., Jr., Pres., Harley Co.

Harris, W. A. Jr., Asst. in Gage Dept., N. E. Westinghouse Co.

Holmes, W. E., Treas., Samuel M. Green Co.

Lloyd, A. A. (Jr.), Designer, Greenfield Tap & Die Corp'n., U. S. Armory.

London, W. J. A., Engr., Steam Motors Co., Inc.

Loose, T. L., Genl. Supt., Hendee Mfg. Co.

McClintock, E. H., Engr., Arch., McClintock & Craig.

Meserve, F. A., M. E., Fred T. Ley & Co., Inc.

Morris, A. W., Ch. Engr., Harley Co., Ch. Engr., Morris Engrg Co.

Murray, A. F., M. E., N. E. Westinghouse Co.

Pellissier, G. E., Mem. of Firm, Pellissier & Dibble.

Shirley, J. G. (Jr.), Asst. Wks. Mgr. Gilbert & Barker Mfg. Co.

Shirley, R., Cons. Engr., 37 Dresden St.

Squire, R. S. (Jr.), Asst. Supt., Mass. Saw Wks.

Stowell, B. F., M. E., Barney & Berry Skate Mfrs.

Straub, C. L., V. P., Metals Production Equip. Co.

Trego, A. C. (Jr.), Lieut., Springfield Armory.

Williams, S. (Jr.), Asst. Cutter Engr., N. E. Westinghouse Co.

Stoneham.—Vaughan, A. W., Capt. Quartermaster, U. S. R., 54 Oak St.

MASSACHUSETTS (Continued)

Swampscott.—Cross, G. P. S., United Shoe Mchy. Co.
Galloupe, F. E., 69 Puritan Rd.

Taunton.—Tuttle, H. A., Ch. Engr., Evans Stamping & Plating Co.

Tufts College P. O.—Anthony, G. C., Dean Engrg. Sch., Tufts College.
Chase, C. H., Prof. Steam Engrg., Engrg. Sch., Tufts College.
MacNaughton, E. (Jr.), Instr. M. E., Tufts College.

Turners Falls.—Dunbar, H. F., M. E., Keith Paper Co.
Moody, H. A., Genl. Mgr., Connecticut River Conservation Co.

Waltham.—Cassidy, A. G., M. M., Waltham Watch Co.
Ela, E. W., Research Engr., Waltham Watch Co.
Folsom, E. L., Asst. Genl. Mgr., Waltham Watch Co.
Ohlson, O., Genl. Supt., Waltham Watch Co.
Wood, G., Asst. Genl. Supt., Waltham Watch Co.

Watertown.—Bitterlich, W. J., Plant Engr., Hood Rubber Co.
Erlandson, E. W. (Jr.), Managing Engr. Fan Dept., Consld. Engrg. Co.
Jacobs, H. L. (Jr.), Dept. Enlisted Ord. Corps. Watertown Arsenal.
Lightowler, G. R. (Jr.), First Lieut. O. R. C., Watertown Arsenal.
Newhall, A. B. (Jr.), Office Mgr., Hood Rubber Co.
Shipley, A. R., Production Engr., Watertown Arsenal.
Wall, G. L., Major Ord. Dept., U. S. R., Watertown Arsenal.

Wenham.—Cunningham, T.

West Brookfield.—Bryant, F. J., Perfection Toy Craft Co.

West Lynn.—Alexander, M. W., Cons. Engr., Genl. Elec. Co.
Baldwin, H. S., M. E., Genl. Elec. Co.
Brooks, A. A., Asst. Engr., Turbine Research Dept., General Elec. Co.
Center, I. E. (Jr.), Asst. Engr., Genl. Elec. Co.
Hall, W. A., Asst. to Mgr., Genl. Elec. Co.
King, H. M., Asst. Engr. Turbine Dept., Genl. Elec. Co.
Loewenstein, L. C., Engr., Genl. Elec. Co.
Lord, Z. N., Dept. Foreman, Genl. Elec. Co.
Moss, S. A., Engr. Turbine Research Dept., Genl. Elec. Co.
Munson, K. A. (Jr.), Tool Designer, Genl. Elec. Co.
Newman, W. C. (Jr.), Turbine Sales Dept., Genl. Elec. Co.
Phillips, E. M., Leading Draftsman Steam Turbine Dept., Genl. Elec. Co.
Rice, R. H., Engr., Turbine Dept. Eng. Wks., Genl. Elec. Co.
Warren, A. K., Mfg. Engr., Genl. Elec. Co.

West Newton.—Marshall, N., 107 Chestnut St.

West Roxbury.—Thanisch, R. J., 227 Park St.

West Springfield.—Harlow, A. S., Gilbert & Barker Mfg. Co.

Westfield.—Bangs, G. H., Asst. Supt., Charge of Mch. Depts., H. B. Smith Co.
Mitchell, G. E., Mgr., Westfield Gas & Elec. Light Wks.
Reed, R. D., H. B. Smith Co.
Ryder, M. P., 139 Union St.

MASSACHUSETTS (Continued)

Whitinsville.—Brown, S. F. (Jr.), Asst. to Supt. on Production, Whitin Mch. Wks.

Owen, O. L., M. E., Whitin Mch. Wks.

Winchendon.—Whitney, W. M.

Winchester.—North, F. K., Wks. Mgr., Chapman Mfg. Co.

Woburn.—Cummings, W. W., Cons. and Contr. Engr., 15 Winter St.

Worcester.—Alden, G. I., Pres., Norton Co., and Norton Grinding Co.

Allen, C. M., Prof. Hyd. Engrg., Worcester Poly. Inst.

Bacon, W., Supt. Prentice Dept., Reed-Prentice Co.

Bailey, H. E. B., M. E., Am. Steel & Wire Co.

Baker, C. H., Jr. (Jr.), Norton Co.

Banfield, S. M. (Jr.), 6 Hackfeld Rd.

Bennett, C. F., Supt. Stand. Plunger Elev. Co.

Beth, H. W. H., Production Engr., Norton Co.

Bird, W. W., Prof. M. E., Dir. Washburn Shops, Worcester Poly. Inst.

Bradley, J. E., Pres., Osgood Bradley Car Co.

Burgess, A. B., V. P., Stand. Plunger Elev. Co.

Carroll, E. H., Supt. Morgan Constr. Co.

Chace, H. P. (Jr.), M. M., Norton Grinding Co.

Champney, R. P., Ch. Engr., Engrg. and Exper. Labs., The Graton & Knight Mfg. Co.

Coghlin, J. P., Pres., Treas., Coghlin Elec. Co.

Collins, P., Asst. Supt., Am. Steel & Wire Co.

Daniels, C. W., Plants Engr., Norton Co.

Darling, A. W., M. E., Graton & Knight Mfg. Co.

Dauchy, S. E., Genl. Supt., Worcester Mfg. Co.

Dietz, C. F., Sales Mgr., Norton Co.

Dunbar, H. W., Asst. Ch. Engr., Norton Grinding Co.

Dunn, E. L., Stand. Plunger Elev. Co.

Edwards, V. E., V. P., Morgan Constr. Co.

Fairfield, H. P., Asst. Prof. Mch. Constr., Worcester Poly. Inst.

Fish, M. R. (Jr.), Ch. Draftsman, Am. Steel & Wire Co.

Gallagher, R. T., Ch. Draftsman Engrg. Dept., Am. Steel & Wire Co.

George, J. R., Ch. Engr., Morgan Constr. Co.

Gifford, A. J. (Jr.), Partner, Leland-Gifford Co.

Gillett, C. E. (Jr.), Mech. Research Labs., Norton Co.

Gilman, F. W., 1st Lieut. E. O. R. C., U. S. A.

Gordon, A. A., Jr., Supt., Crompton & Knowles Loom Wks.

Graffam, W. S., Mgr., Affa Specialty Co.

Hall, W. G., Genl. Supt., Spencer Wire Co.

Harding, H. N., Norton Grinding Co.

Heald, J. N., Treas., Genl. Mgr., Heald Mch. Co.

Higgins, A. C., Secy., Gen. Counsel, Norton Co.

Higgins, J. W., Pres., Treas., Worcester Pressed Steel Co.

Hollis, Dr. I. N., Pres., Worcester Poly. Inst.

Housum, C., M. E., Bureau of Mines.

Howe, J. F., Wire Rope Engr., Am. Steel & Wire Co.

Hutchins, G. F., Chairman Development Bd., Crompton & Knowles Loom Wks.

Inman, C. M. (Jr.), Salesman, Pratt & Inman.

Jeffries, E. A. W., M. E., Morgan Constr. Co.

Jenckes, L. B., Engr., Crompton & Knowles Loom Wks.

Jeppson, G. N., Wks. Mgr., Norton Co.

Keller, A. R., Draftsman, Morgan Constr. Co.

MASSACHUSETTS, Worcester (Continued)

King, A. D., Designing and Constr. Engr., Stand. Plunger Elev. Co.
 Larsson, T. L. F., M. E., Norton Co.
 Latham, H. M., M. E., Crompton & Knowles Loom Wks.
 Lentzner, K. S., Exper. Engr., Norton Co.
 Lewis, A. L. (Jr.), Supt., Sleeper & Hartley, Inc.
 Lewis, K. B., Mgr. Dept. of Wire Drawing Equip., Morgan Constr. Co.
 Loftus, Sales Engr., Reed-Prentice Co.
 Logan, J., First V. P., Genl. Mgr., U. S. Envelope Co.
 Lummis, C. W., Asst. Mgr. Gas Producer Dept., Morgan Constr. Co.
 Marble, E. H., Pres., Curtis & Marble Mch. Co.
 Mayo, E. C., Genl. Mgr., Worcester Pressed Steel Co.
 Montague, W. T. (Jr.), Sales Engr., Norton Co.
 Morgan, E. B., Safety Engr., and Acting Mgr. Employment Dept., Norton Co.
 Morgan, P. B., Treas., Morgan Constr. Co.
 Nelson, M. C., Genl. Mgr., R. B. Phillips Mfg. Co.
 Newton, A. E., V. P., Genl. Mgr., Reed-Prentice Co.
 Norton, C. H., M. E., Norton Grinding Co.
 Norton, F. E., M. E., 656 Main St.
 Nourse, R. C. (Jr.), Asst. Foreman Fdy. Dept., Crompton & Knowles Loom Wks.
 Nye, T. H., Asst. Ch. Draftsman, Morgan Constr. Co.
 Park, E. H., Asst. to M. M., Wright Wire Co.
 Powell, A. M., Pres., Cons. Engr., Powell Mch. Co.
 Putnam, A. D., M. E., Worcester Elec. Light Co.
 Read, C. A., Prof. Steam. Engrg., Worcester Poly. Inst.
 Reed, C. T., Secy., Reed & Prince Mfg. Co.
 Reed, E. H., Pres., Reed Small Tool Works.
 Reed, E. W. (Jr.), Supt., Reed & Prince Mfg. Co.
 Rice, A. C., 5 Oberlin St.
 Riley, R. S., Pres., Sanford Riley Stoker Co., Ltd.
 Rockwood, G. I., Pres. and Treas., Rockwood & Sprinkler Co., 38 Harlow St.
 Sargent, L. H., N. E. Sales Engr., Stand. Plunger Elev. Co.
 Schopfer, F. H. (Jr.), Asst. to Planning Mgr., Norton Co.
 Searle, W. C. (Jr.), Foreman Tool Dept., Norton Grinding Co., Greendale.
 Seed, C. R., Power Supt., Worcester Elec. Light Co.
 Sheperdson, J. W., Morgan Constr. Co.
 Smith, A. L., Prof. Drawing and Mch. Design, Worcester Poly. Inst.
 Smith, C. O., Sales Mgr., Norton Grinding Co.
 Smith, H. B., Prof. E. E., Cons. Engr., Dir. E. E. Dept., Worcester Poly. Inst.
 Stewart, S. P., M. E., Stewart Boiler Wks.
 Streeter, C. O., Sales and Cons. Engr., Graton & Knight Mfg. Co.
 Turner, C. H., Ch. Engr., Osgood Bradley Car Co.
 Walte, E. B., Cons. Engr.
 Westervelt, N. H. (Jr.), Sales Promotion Dept., Norton Co.
 Wilcox, J., Jr., 115 Lincoln St.
 Willard, F. H., Asst. Genl. Mgr., Dir., Graton & Knight Mfg. Co.
 Williams, R. G., Spec. Investigator, Norton Co.

MICHIGAN

Adrian.—Oliver, E. C. (Jr.), Mgr., Oliver Instrument Co.

Albion.—White, L. E., V. P., Treas., Gale Mfg. Co.

MICHIGAN (Continued)

Ann Arbor.—Albridge, K. P., Production Engr., Supt., Parker Mfg. Co.

Anderson, H. C., Prof. M. E., Univ. of Mich.

Bursley, J. A., Assoc. Prof. M. E., Univ. of Mich.

Cooley, M. E., Prof. M. E., Colleges of Engrg. and Arch., Univ. of Mich.

Emswiler, J. E., Assoc. Prof. M. E., Univ. of Mich.

Fessenden, C. H., Asst. Prof. M. E., Univ. of Mich.

Hawley, R. S., Asso. Prof. of Mech. Engrg., 333 New England Bldg.

Holland, R. K., Cons. Hyd. Engr., Holland, Ackerman & Holland.

Keeler, H. E. (Jr.), Instr. M. E., Univ. of Mich.

Mickle, F. A. (Jr.), First Lieut. O. O. R. C., U. S. A.

Miggett, W. L., Prof. Shop Practice, Supt. Engrg. Shops, Univ. of Mich.

Parker, J. C., Prof. E. E., Univ. of Mich.

Verner, W. F., M. E., Esselstyne, Murphy and Hanford.

Zowski-Zwierzchowski, S. J., Prof. M. E., Univ. of Mich.

Battle Creek.—Bird, J. C., M. E., Union Steam Pump Co.

Davis, E. H., Ch. Draftsman, Am. Steam Pump Co.

Dean, E. W., Ch. Draftsman, Duplex Ptg. Press Co.

Kugel, H. K., 1st Lieut., Co. E, 310th Engrs., Camp Custer.

Ordway, E. P., M. E., Union Steam Pump Co.

Rollins, L. E. (Jr.), Res. Engr., Fargo Engrg. Co., Jackson, Mich. and Sheboygan, Wis.

Thompson, R. C., Supt., Rich Steel Products Co.

Vall, G. R., M. E., Advance Pump & Compressor Co.

Whyte, J. S. (Jr.), Capt., Co. F, 310th Engrs., Camp Custer.

Bay City.—Curtis, C. B., Engrg. and Sales, Bay City Fdy. & Mch. Co.

Howlett, L. G. (Jr.), V. P., Mgr., Bay City Fdy. & Mch. Co.

Perry, E. B., Mgr., Industrial Wks.

Rogers, R. W., Engr., MacKinnon Boiler & Mch. Co.

Beacon Hill.—Koepel, E., Supt. Mills, Copper Range Co.

Benton Harbor.—Capen, T. W., 748 Ogden Ave.

Birmingham.—Bailey, A. A. (Jr.).

Buchanan.—Burrows, R. J., Mgr. Axle Dept., Celfor Tool Co.

Cady, C. R., Mgr. Wheel Dept., Clark Equip. Co.

Calumet.—Williams, H. E., Ch. Draftsman, Calumet & Hecla Min. Co.

Charlevoix.—Sloan, R. F., Pres., Charlevoix Abstract & Engrg.

Chelsea.—Potter, N. S., Jr., V. P., Genl. Mgr., Mich. Portland Cement Co.

Detroit.—Abernethy, W. K., Central Sta. Steam Co.

Alden, H. W., V. P., Timken-Detroit Axle Co.

Allen, J. L., Factory Mgr., Mason Motor Co.

Ames, J. H., Ch. Engr., Am. Car & Fdy. Co.

Auten, J. E., Supt. Maintenance and Constr., Cadillac Motor Car Co.

Bailey, E. D., 1241 Euclid Ave.

Baker, I. C. (Jr.), Am. Blower Co.

MICHIGAN, Detroit (Continued)

- Baker, P. C. (Jr.), Lieut., Aviation Sec., S. O. R. C.
 Baldwin, A. T., Pres., Genl. Mgr., Precision Instrument Co.
 Ball, F. H., Mgr. Carburetor Dept., Penberthy Injector Co.
 Bancroft, G. H. (Jr.), Purch. Agt., Steere Engrg. Co.
 Barber, C. M., C. E., 83 Blaine Ave.
 Barnes, S. G., Solvay Process Co.
 Barton, H. L., Asst. Dir. of Production, Genl. Motors Co.
 Beall, F. F. (Jr.), V. P., Mfg., Packard Motor Car Co.
 Beers, R. L., U. S. Radiator Corp'n.
 Bigelow, F. B., Treas. & Genl. Mgr., Murphy Iron Wks.
 Bingham, E. H., Asst. Mgr., Detroit Plant, Solvay Process Co.
 Blackburn, W. A., Mgr. Mfg., Cadillac Motor Car Co.
 Boomhower, F. K., Engr. with Albert Kahn, Arch., 58-60 Lafayette Blvd.
 Bornholt, O. C., Factory Mgr., Holley Bros. Co.
 Bourquin, J. F., V. P., Liberty Motor Car Co.
 Bouton, G. I., Ch. Engr., Murphy Iron Wks.
 Boyer, J., Pres., Burroughs Adding Mch. Co.
 Breer, C. (Jr.), Research Engr., Studebaker Corp'n.
 Brock, C. A. (Jr.), 2318 E. Grand Blvd.
 Brockbank, V., Ch. Draftsman, Superior Mch. & Engrg. Co.
 Brown, J. W., M. E., Lincoln Motor Co.
 Brush, A. P., Ch. Engr., Brush Engrg. Assoc.
 Burdick, E. J., Asst. Genl. Mgr., Detroit United Ry.
 Burlleigh, W. H. (Jr.), Cons. Div., Packard Motor Car Co.
 Butler, T. M. (Jr.), Prest-O-Lite Co., Inc.
 Cairns, W., Mgr., Detroit Pressed Steel Co.
 Carson, C. M., Industrial Mgr., Cadillac Motor Car Co.
 Church, H. D., Ch. Engr., Truck Div., Packard Motor Car Co.
 Coffin, H. E., V. P., Cons. Engr., Hudson Motor Car Co.
 Cole, C. S., Capt. Ord. Reserves, 820 Penobscot Bldg.
 Collamore, R., Secy., Smith, Hinchman & Grylls.
 Conant, W. S., Capt. O. O. R. C., U. S. A.
 Coon, T. E., Pres., Coon-De Visser Co.
 Copland, A. W., Pres., Genl. Mgr., Detroit Gear & Mch. Co.
 Copony, A., Mgr., Copony Auto Loading Co.
 Cottrell, H. A. (Jr.), Carburetor Engr., Detroit Lubricator Co.
 Crocker, A. G., Salesman Power Div., Westinghouse Elec. & Mfg. Co.
 Cross, W. J., Ch. Draftsman, Larrowe Constr. Co.
 Curry, F. H., Plant Supt., Hudson Motor Car Co.
 Danziger, J. C., Secy. & Treas., Detroit Motor Casting Co.
 Davis, L. K., 841 David Whitney Bldg.
 DeLamater, V. N., Asst. Sales Mgr., Hyatt Roller Bearing Co.
 Dennis, B. W. (Jr.), Asst. Supt. of Power, Ford Motor Co.
 Dodge, H. E., V. P., Genl. Mgr., Dodge Bros.
 Dodge, J. F., Partner, Dodge Bros.
 Doughty, A. J., 45 Virginia Park.
 Dow, A., Pres., Genl. Mgr., The Detroit Edison Co.
 Drummond, R. S., Genl. Mgr., V. P., Detroit Steel Products Co.
 Du Comb, W. C., Auto. Materials & Transmission Equip.
 Dunham, G. W., Cons. Engr., 868-874 Woodward Ave.
 Dwyer, E. (Jr.), V. P., Factory Mgr., Mich. Stove Co.
 Eayrs, T. C. (Jr.), Steere Engrg. Co.
 Esselstyn, H. H., Pres., Esselstyn Murphy Co., Engrs.
 Estler, H. S., M. E., The Costimeter Co.
 Evans, W. F., V. P., Genl. Mgr., Stand. Screw Products Co.
 Farmer, T., 1121 Majestic Bldg.

MICHIGAN, Detroit (Continued)

- Fekete, S. I. (Jr.), Hudson Motor Car Co.
 Flitts, E., Engr., Detroit Stoker Co.
 Ford, H., Pres., Ford Motor Co.
 Frederick, A. B. (Jr.), Serv. Research Dept., Burroughs Adding Mch. Co.
 Gillooly, J. H. (Jr.), Draftsman, Steere Engrg. Co.
 Goddard, A. N., Asst. Treas., Genl. Mgr., Gorham & Goddard Co.
 Grantier, L. V., Asst. Ch. Engr., McCord Mfg. Co.
 Haigh, G. R., Production Engr., Wilt Engrg. Co.
 Hammers, M. J., Treas., Genl. Mgr., Engr., Consld. Car Co.
 Harris, R. B. (Jr.), Combustion Engr., Detroit Edison Co.
 Hazelton, W. S., Pres., Hazelton-Clark Co.
 Heavenrich, O. D., Ch. Engr., Detroit Pressed Steel Co.
 Heftler, V. R., Pres., Genl. Mgr., Zenith Carburetor Co.
 Herman, Dr. S. J., V. P., Genl. Mgr., Diamond Power Spec. Co.
 Hill, R., Addison Hotel.
 Hinchman, T. H., Cons. Engr., Smith, Hinchman & Grylls.
 Hinkley, C. C., Pres., Genl. Mgr., Hinkley Motors Corp'n.
 Hirshfeld, C. F. (Jr.), Ch. of Research Dept., Detroit Edison Co.
 Hoexter, S. J., Sales Engr., Costimeter Co.
 Holloway, T. W., Asst. Mgr. Tech. Dept., Cadillac Motor Car Co.
 Holmes, H. W. (Jr.), Pres., Genl. Mgr., Detroit Tool Co.
 Huff, R., Ch. Engr., Dodge Bros.
 Isenberg, H. O. C., Ch. Engr. & Production Mgr., Scripps Booth Co.
 Johnson, F., Designer, Lincoln Motor Co.
 Joy, F. B., Genl. Mgr., Detroit Htg. & Ltg. Co.
 Kales, W. R., V. P., Engr., Whitehead & Kales.
 Karr, C. L., Asst. Ch. Engr., The Detroit Edison Co.
 Kearney, W. J., 617 Emerson Ave.
 Keep, W. J., Cons. Engr., Mich. Stove Co.
 Keller, E. E., Pres., Stand. Screw Products Co.
 Knight, A. H., Engr. Patents, Invention, Dodge Bros.
 Knobloch, A. F., 317 Chicago Blvd.
 Konstantkewicz, M. J. (Jr.), Plant Engr., Detroit Steel Products Co.
 Kreidler, D. W., Ch. Engr. Carburetor Div., Detroit Lubricator Co.
 Lane, A. A. (Jr.), 1st Lieut. Signal Corps U. S. R., U. S. A., 624 Woodward Ave.
 Lane, H. M., Pres., H. M. Lane Co.
 Lanigan, J. A., Genl. Supt., Motor Castings Co.
 Lanning, J. G. (Jr.), Mech & Elec. Engr., Detroit Lubricator Co.
 Layng, G. H., V. P., Wks. Mgr., Lincoln Motor Co.
 Leisen, T. A., Genl. Supt. Bd. of Water Commrs.
 Leland, H. M., Pres., Lincoln Motor Co.
 Leland, W. C., 2230 Dime Bank Bldg.
 Lester, C. R., Mgr. Tech. Serv. Dept., Packard Motor Car Co.
 Little, E. R., M. E., Little & Shepard.
 Lucht, F. W., Jr. (Jr.), Liberty Motor Tool Design Dept., Packard Motor Car Co.
 Lundgren, F. G., Engrg. Dept., American Car & Fdy. Co.
 McCabe, J. C., Ch. Boiler Inspr., City of Detroit.
 McColl, J. R., Mem. of Firm, Ammerman & McColl, Dean Engrg. Dept., Univ. of Detroit.
 Mankin, C. E. (Jr.), Service Dept., Studebaker Corp. of Am.
 Mansfield, J. B., V. P., Genl. Mgr., J. E. Bolles Iron & Wire Wks., Inc.
 Marks, J. H., Supt. Maintenance and Constr. Div., Packard Motor Car Co.
 Mason, F. H., Commercial Engr., Spec. in Feed Water Purification

MICHIGAN, Detroit (Continued)

- and Htg. Power Plant Spec., Brick and Concrete Chimney Constr.,
614 Moffat Bldg.
- Matter, E. G., Mgr., Natl.-Acme Mfg. Co.
- Mattsson, A. G., Cons. Engr., Great Lakes Engrg. Wks.
- Medhurst, A. W., Asst. Genl. Factory Mgr., M. E., Anderson Elec.
Car Co.
- Miller, J. F. G., Genl. Mgr., Am. Blower Co.
- Morgana, C., Jr. (Jr.), Mech. Engr., Ford Motor Co.
- Morrell, A. M., Spec. Rep., Edw. R. Ladow Co., Inc., 43 Larned St. E.
- Moses, F. T., V. P., Engr., Firemen's Mutual Ins. Co.
- Myers, C. T., Automotive Engr., Consultant, 117 W. Fort St.
- Nelson, E. A., M. E., 500 Bellevue Ave.
- Nicklin, E. W., Second V. P., Sales Mgr., Diamond Power Spec. Co.
- Olson, C. W., Ch. Tool Designer, Continental Motors Corp'n.
- Osborn, F. C., Pres., Genl. Mgr., F. C. Osborn Co.
- Parker, J. W. (Jr.), Asst. to V. Pres., The Detroit Edison Co.
- Pessano, A. C., Pres., Great Lakes Engrg. Wks.
- Phipps, W., Pres., Supt. of Production, Massnick-Phipps Mfg. Co.
- Pressinger, H. E., Prof. M. E., Asst. Dean, Univ. of Detroit.
- Prussing, E. R., Detroit Mgr., Whiting Fdy. Equip. Co.
- Quinn, S. M., 510 Woodward Ave.
- Randall, D. T., Research Engr., Lincoln Motor Co.
- Reddig, W. H., Genl. Supt., Continental Motors Corp'n.
- Reid, E. S. (Jr.), Engr. No. Eng. Wks.
- Rekersdres, H. (Jr.), Prod. Clerk, Am. Blower Co.
- Richards, C. D. (Jr.), Asst. Engr. of Tests, Solvay Process Co.
- Ritter, R. B. (Jr.), Ch. Draftsman, Detroit Lubricator Co.
- Roberts, E. F., Factory Mgr., Packard Motor Car Co.
- Rogers, L. C., Exper. Engr., Solvay Process Co.
- Rooney, M. A. (Jr.), Engr., Am. Radiator Co.
- Rosenfield, H. (Jr.), Signal Corps, Aviation Section, Reserve Officers'
Training Camp.
- Russel, W. S., Pres., Genl. Mgr., Russel Wheel & Fdy. Co.
- Saurwein, G. K., M. E., Constr. Engrg. Dept., Detroit Edison Co.
- Scheckenbach, J. A. V., Am. Car & Fdy. Co.
- Schoen, A., Ch. Engr., Larrowe Constr. Co.
- Sellew, W. H., Asst. Valuation Engr., Mich. Central R. R.
- Shallcross, W. C., Mgr. Caustic Soda Dept., Solvay Process Co.
- Shipley, S. C., Ch. M. E., Genl. Engrg. Co.
- Shirey, W. H. (Jr.), Mech. Engr., Albert Kahn, Architect, Marquette
Bldg.
- Shoebriidge, F. H. (Jr.), Dist. Selling Agt., Lamson Co.
- Shoemaker, S. S. (Jr.), Tech. Asst., Semet-Solvay Co.
- Shuler, H. A. (Jr.), Dist. Mgr. Kinnear Mfg. Co.
- Sibley, M. M., Lieut. (J. G.) U. S. N. R. F. U. S. Navy Dept., U. S.
Naval Recruiting Office.
- Singleton, A. B. (Jr.), Sales Engr., Kerr Mch. & Supply Co.
- Sintz, C., 31 Garfield Bldg.
- Sloman, C. M. (Jr.), Designer, 130 E. Montcalm St.
- Smith, W. H., Engr., Ford Motor Co.
- Spice, C. G. (Jr.), Ch. Exper. Engr., Detroit Lubricator Co.
- Spillman, H. S. (Jr.), Pres., Natl. Constr. Co.
- Sprau, W. C., Treas., M. E., Barnes Wire Fence Co.
- Squires, J., V. P., Genl. Mgr., Signal Motor Truck Co.
- Stanbrough, D. G., Genl. Supt., Packard Motor Car Co.
- Still, F. R., V. P., Secy., Am. Blower Co.
- Stoddard, E. J., Expt., R. A. Parker, Pat. Lawyer, 607 Moffat Bldg.

MICHIGAN, Detroit (Continued)

Stringham, J. S., Capt. U. S. A., 1860 Penobscot Bldg.
 Summers, L. E., Factory Mgr., Chicago Pneu. Tool Co.
 Sweet, C. E., Treas., Superior Mch. & Engrg. Co.
 Sweet, E. E., Cons. Engr., Genl. Consultation, 195 Chandler Ave.
 Taylor, C. H., Cons. Engr., Taylor & Neuteboom.
 Tenkonohy, F. V., Spec. Engr. M. P. Dept., Michigan Central R. R.
 Tenney, L. C., Engr. Dept., Lincoln Motor Co., Holden & Lincoln Aves.
 Thompson, B. D., Mch. Tool Salesman, Chas. A. Strelinger Co.
 Trix, J., Pres., Mgr., Am. Injector Co.
 Turnbull, G. B., Ch. Engr., Great Lakes Engrg. Wks.
 Varian, H. M. (Jr.), Ch. Draftsman, Great Lakes Engrg. Wks.
 Vincent, J. G., V. P. of Engrg., Packard Motor Car Co.
 Vine, H. L. (Jr.), Tool Designer, Packard Motor Car Co.
 Walker, F. W., V. P., Ch. Engr., Comstock, Haigh, Walker Co.
 Watson, W. W. (Jr.), Mgr. Order Dept., Anderson Forge & Mch. Co.
 Whitaker, H. E., M. E., Parke, Davis & Co.
 White, D. M., V. P., Cadillac Motor Car Co.
 White, E. F., Efficiency Engr., charge of Planning, Chalmers Motor Co.
 Wilbur, R. L. (Jr.), Am. Car. & Fdy. Co.
 Wilde, J. R., Ch. Engr. Power Plants, the Detroit Edison Co.
 Wilde, R., Genl. Mgr., Mich. Gear & Engrg. Co.
 Wilkinson, C. M., Constr. Engr., Saxon Motor Car Corp.
 Wills, C. H., Ford Motor Co.
 Wilt, A. D., Jr., Pres., Schweppe & Wilt Mfg. Co., Pres., The Wilt Twist Drill Co. of Canada, Ltd., Walkerville, Ont., Canada.
 Wingo, R. T., Pres., Superior Mch. & Engrg. Co.
 Wolcott, W. S., Engrg. Dept., No. Engrg. Wks.
 Wood, E., Salesman, Jones & Lamson Mch. Co.
 Woolson, H. T., M. E., Studebaker Corp'n.

East Lansing.—Bissell, G. W., Dean Engrg., Mich. Agri. College.
 Field, L. N., Asst. Prof. M. E., Mich. Agri. College.
 Idles, A., Asst. Prof. Drawing and Design, Mich. Agri. College.
 Polson, J. A., Prof. M. E., Mich. Agri. College.
 Stewart, E. H. (Jr.), Instr. Mich. Agri. College.

Ecorse.—Travis, S. C., Supt., Worcester Salt Co.

Flint.—Champion, A., Pres., Genl. Mgr., Champion Ignition Co.
 Ervin, J. F., Plant Mgr., Michigan Motor Castings Co.
 Gibert, R. W., Care and Distribution of Tools, Buick Motor Co.
 Keller, K. T., Buick Motor Co.
 Mott, C. S., V. P., Genl. Motors Co., care of Weston Mott Co.
 Planche, E., Ch. Engr., Dort Motor Car Co.
 Stork, W. L. (Jr.), Mich. Motor Castings Co.
 Terry, M. V. (Jr.), Ch. Engr., Champion Ignition Co.

Gladstone.—Slining, G. J., Supt., Cleveland Cliffs Iron Co.

Grand Rapids.—Cole, D. S., Mech. Expt., Patent Atty., 323 Murray Bldg.
 Freshney, S. A., Dist. Mgr., Consumers Power Co.
 McMullen, G. K., Pres., Mgr., McMullen Mchy. Co.
 Reeve, C. D., V. P., Factory Mgr., Grand Rapids Brass Co.
 Thullen, L. H., Genl. Mgr., Grand Rapids Brass Co.
 Tower, D. W., Pres., Grand Rapids Brass Co.

MICHIGAN, Grand Rapids (Continued)

Young, J. T., First V. P., Genl. Mgr., Grand Rapids Gas Light Co.,
V. P., Muskegon Traction & Light Co., Muskegon.

Hancock.—Lawton, C. L., Genl. Mgr. Quincy Mine.

Hastings.—Hunt, H. V., Genl. Supt., Consolidated Press Co.
Patrick I., V. P., Ch. Engr., Consitd. Press & Tool Co.

Highland Park.—Low, F. H. (Jr.), Production Troubles, Ford Motor Co.
Peterson, E. H. A., Mech. and Refrig. Engr., Ford Motor Co.

Hubbell.—Burgan, A. L., Mill Supt., Tamarack Min. Co., Osceola
Consitd. Mfg. Co., Ahmeek Min. Co.

Ishpeming.—McClure, O. D., Ch. M. E., Cleveland Cliffs Iron Co.
Noyes, J. A. (Jr.), Dist. Mgr. Sullivan Mch. Co.
Schickendanz, L. H. (Jr.), Asst. Mech. Dept., Cleveland Cliffs Iron Co.

Jackson.—Eddy, H. F., M. E., Consumers Power Co.
Frost, E. J., Pres., Genl. Mgr., Frost Gear & Forge Co.
Halladay, C. L., Merritt Bldg.
Hartman, D. U., Instr. Dept., Consumers Power Co.
Hopkins, G. F., Supt., Frost Gear & Forge Co.
Mills, A. C., Supt., Jackson Fence Co.
Streiff, A., Mem. Fargo Engrg. Co.
Wilcox, C. C., Asst. to Cons. E. E., Hodenpyl, Hardy & Co.

Kalamazoo.—Albertson, D. J., Civ. and Industrial Engr., Mill Arch., 305
E. Main St.
Sears, H. R. (Jr.), Kalamazoo Malleable Iron Co.

Lake Linden.—McIntosh, R., Asst. Supt., Mills, Calumet & Hecla Min.
Co.

Lansing.—Galloway, T., M. E., 109 Huron St.
Scott, R. H., V. P., Genl. Mgr., Reo Motor Car Co.
Seager, J. B., Care of W. T. McCaskey & Co.
Thomas, H. T., Ch. Engr., Reo Motor Car Co.
Todd, C. R. (Jr.), Engr., Dall Steel Products Co.

Ludington.—Bishop, F., 501 E. Court St.

Mayer.—Wilhelm, D. B., Constr. and Maintenance Dept., Packard Motor
Car Co.

Menominee.—Greger, H., M. E., Prescott Co.
Prescott, F. M., Pres., Prescott Co.

Midland.—Ashmun, L. H. (Jr.), Engrg. Draftsman, Dow Chem. Co.

Monroe.—Broderick, G. H., Mgr., Monroe Corrugated Box Co.
Kempton, H. E., Wks. Mgr., Van Blerck Motor Co.
Ochtman, L., Jr. (Jr.), Asst. Ch. Draftsman, Van Blerck Motor Co.

Montague.—Liskow, B. H., Plant Supt., Montague Iron Wks.

Muskegon.—Dickerson, W. H., Secy., Plant Mgr., Muskegon Extract Co.
Faulkner, F. L. (Jr.), E. E., Campbell, Wyant & Cannon Fdy. Co.

MICHIGAN, Muskegon (Continued)

Hunter, D. E., Constr. Engr., The Shaw-Walker Co.

Johannsen, J. F., Equip. Engr. Linderman Steel & Mch. Co.

Painesdale.—Rankin, W. A., E. E., Copper Range Co.

Port Huron.—Haynes, E. A., Second V. P., Port Huron Sulphite & Paper Co.

Saginaw.—Caughell, J. N., Asst. to M. E., Consumer's Power Co.

Fisher, E. C., V. P., Genl. Mgr., Wickes Boiler Co.

Macdonald, D. H., Wks. Mgr., Wickes Bros.

Power, G. S., Dept. Mgr., Supt., M. E., Wicks Bros.

Willcox, G. B., Pres., Genl. Mgr., Willcox Engrg. Co.

Saulte Ste. Marie.—Graves, W. I., Asst. Engr., U. S. Engrs. Office.

Sibley.—Church A. (Jr.), Pres., Church Land Co.

Three Rivers.—Rix, M. H., Genl. Supt., Sheffield Car Co.

Vulcan.—Armstrong, F. H., M. E., Penn Iron Min. Co., Republic Iron Co.

Wyandotte.—Smith, R. W., Constr. Engr., Mich. Alkali Co.

MINNESOTA

Albert Lea.—Otto, F. A., Mgr., Elec. Constr. Co.

Duluth.—Bergstrom, H. E. (Jr.), Wk. Foreman, N. P. Roundhouse, N. P. Ry. Co.

Bjorge, O. B., Ch. Engr., Clyde Iron Wks.

Boyd, F. E. (Jr.), M. E., Oliver Iron Min. Co.

Cornish, W. R. (Jr.), Minn. Steel Co.

Dinsmore, A. T. (Jr.), Supt. Klearflax Linen Rug Co.

Fuller, F. M. (Jr.), Cons. Engr., 813 Torrey Bldg.

Hugo, T. W., Cons. Mech. Engr., 221 W. 6th Ave., W.

Lindberg, G. I. (Jr.), Gogebic Steam Boiler Wks.

Linley, F. H. (Jr.), E. E., Duluth & Iron Range R. R. Co.

McGiffert, J. R., Secy., Treas., Clyde Iron Wks.

Meany, J. M., West. Mgr., Clyde Iron Wks.

Rumsey, S. S., Ch. Engr., Oliver Iron Min. Co.

Ryerson, W. N., Genl. Mgr., Ch. Engr., Great No. Power Co.

Sampson, C. C., Supt. Gas Power, Minn. Steel Co., Morgan Park.

Fairmount.—Kasper, W. F. (Jr.), M. E., Fairmount Gas Eng. & Ry. Motor Car Co.

Minneapolis.—Allen, J. R., Dean College of Engrg. and Arch., Univ. of Minn.

Bates, A. H., M. E., 2819 W. 42nd St.

Bogart, A. L., Pres., Power Engrg Co.

Bovey, W. H., Genl. Supt., Dir., Washburn Crosby Co.

Brezinsky, E., M. E., Strong-Scott Mfg. Co.

Brooke, W. E., Prof. Head Dept. Math. and Mech., College of Engrg. and Arch., Univ. of Minn.

Brown, E. H., Partner, Hewitt & Brown.

Buffington, H. C., Motor Engr., Minneapolis Steel & Mchy. Co.

MINNESOTA, Minneapolis (Continued)

- Comstock, E. H., Prof. Mine Plant and Mechanics Sch. of Mines, Univ. of Minnesota.
- Crane, E. C., 2nd Lieut., Engrg. O. R. C., U. S. A.
- Daniel, T. L., Industrial Engr., C. L. Pillsbury Co.
- Davis, F. R., Lubrication Engr., Vacuum Oil Co.
- Edwards, O. C., Instr. M. E., Univ. of Minn.
- Flather, J. J., Prof. M. E., Univ. of Minn.
- Foque, T. A., Genl. Mech. Supt., Minneapolis, St. Paul, & Saulte Ste. Marie Ry.
- Forfar, D. M. (Jr.), Minneapolis Mgr., Charles L. Pillsbury Co.
- Frear, J. B., Instr. Engrg. Math. and Mech., Univ. of Minn.
- Garbett, B. C., Secy., Twin City Mch. Co.
- Gerrish, H. E., Pres., Morgan-Gerrish Co.
- Goetzenberger, R. L. (Jr.), First Lieut. Ord. Dept., U. S. R., Am. Expeditionary Forces, 2621 Emerson Ave., S.
- Helnen, E. J., Strong-Scott Mfg. Co.
- Herrick, C. A., Cons. Engr., 3816 Thomas Ave., S.
- Holmes, W. G., Mgr. Mfg. Dept., Stand. Medical Supply Co.
- Johnston, W. E., M. E., Mahr Mfg. Co.
- Lang, C. A. (Jr.), Supt., Northwest. Consld. Milling Co.
- MacNabb, A. W., Insp., Emergency Fleet Corp'n.
- Martenis, J. V., Asst. Prof. M. E., Univ. of Minn.
- Mayhew, R., Asst. M. E., Minneapolis Steel & Mchy. Co.
- Mayo, E. D., Ch. Engr., Barnett & Record Co.
- Meixner, B. A. (Jr.), 1st Lieut., Ord. R. C., Office of Inspr. of Ord., U. S. A., Minneapolis Steel & Mchy. Co.
- Meyer, H. J., Managing Partner, Charles L. Pillsbury Co.
- Miller, D. W., Dist. Sales Mgr., Vacuum Oil Co.
- Morgan, G. C., V. P., Secy., Morgan-Gerrish Co.
- Moyer, A. F., Instr., Exper. Engrg., Univ. of Minn.
- Mueller, H. F., Ch. Engr., Washburn Crosby Co.
- Olmsted, G. C. (Jr.), Mgr., Minn. Radiator Co.
- Otto, R. W., Treas., Andrews Htg. Co.
- Ovestrud, M. (Jr.), Asst. Genl. Foreman Munitions Dept., Minneapolis Steel & Mchy. Co.
- Peterson, W. H., Sales Engr., Minneapolis Steel & Mchy. Co.
- Pillsbury, C. L. M. and E., Partner, Chas. L. Pillsbury Co., 805 Metropolitan Life Bldg.
- Record, J. L., Pres., Minneapolis Steel & Mchy. Co.
- Rose, F. W., Cons. Engr., Rose & Harris.
- Rowley, F. B., Asst. Prof. Exper. Engrg., Univ. of Minn.
- Seofield, E. H., Power Engr., Twin City Rapid Transit Co.
- Shanley, F. R., Northwest. Knitting Co.
- Shoop, C. F., Asst. Prof. Exper. Engrg., Univ. of Minn.
- Strong, A. W., Pres., Strong-Scott Mfg. Co.
- Teach, J. A., M. E., Minneapolis Steel & Mchy. Co.
- Wagner, O. H., Pres., Stacy-Bates Co.
- Wells, J. B. (Jr.), Salesman, Morgan-Gerrish Co.
- Whitton, H. S., Supt., Mfr., Minneapolis Genl. Elec. Co.
- Woodman, J. C. (Jr.), Constr. Supt., Decarie Incinerating Co., V. P. Stacy-Bates Co.

Montevideo.—Moyer, M. B., Pres., Moyer Mfg. Co.

New Prague.—Gordon, W. J., Mech. Supt., Internatl. Milling Co.

St. Paul.—Baird, L. S. (Jr.), 288 W. Third St.

Bohn, G. C., V. P., White Enamel Refrigerator Co.

MINNESOTA, St. Paul (Continued)

Brink, H. L., Asst. Engr., Am. Hoist & Derrick Co.
 Buenger, A. (Jr.), M. E., Chas. L. Pillsbury Co.
 Crane, E. C. (Jr.), Asst. Engr., Minn. State Farm.
 Crosby, O., Managing Partner, Engr., Am. Hoist & Derrick Co.
 Dailey, F. A., Pres., Treas., Union Mch. Co.
 Doty, P., V. P., Genl. Mgr., St. Paul Gas Light Co.
 Emerson, G. H., Genl. Mgr., Great North. Ry. Co.
 Flowers, D. W., Supt., Gas Wks., St. Paul Gas Light Co.
 Hall, Q. A., Capt., Engr. Corps.; Inspg. and Test. Engr., 481 Endl-
 cott Bldg.
 Lilygren, F. G., Genl. Shop Supt., Am. Hoist & Derrick Co.
 Marshall, E., E. E., Great No. Ry.
 Miller, S. G., V. P., Crex Carpet Co.
 Morton, H. S. (Jr.), Engr. of Tests, North West. Fuel Co.
 Staude, E. G., Pres. & Genl. Mgr., E. G. Staude Mfg. Co.
 Smith, J. E. (Jr.), Loco. Designer, Great North. Ry. Co.
 Sweeny, R. O., Ch. Engr., Minn. Manufacturers' Assn.
 Toltz, M., Pres., Toltz Engrg. Co.
 Tubby, C. W., St. Paul Sales Mgr., Worthington Pump & Mchy.
 Corp'n.
 Whitacre, R. B., Senior Partner, R. B. Whitacre & Co.
 Wilhelm, E. A., Ch. Draftsman, Am. Hoist & Derrick Co.
 Willius, G., Jr., Secy., Robinson, Cary & Sands Co.
 Wolff, W. S. (Jr.), Prop., Wolff Motor Car Co.
 Wood, W. R., Mech. Valuation Engr., Great No. Ry. Co.

Sartell.—Weber, O. L. E., Genl. Mgr., Watab Pulp & Paper Co.

MISSISSIPPI

Agricultural College.—Carpenter, R. C., Prof. M. E., Supt. Power Plant,
 Miss. Agri. and Mech. College.

Freeman, H. L., Prof. M. E., Miss. A. & M. College.

Canton.—Sharp, J. T., Jr. (Jr.), Supt., Pur. Agt., Canton Elec. Light &
 Water Wks.

Clarksdale.—Agnew, J. R. (Jr.), Ch. Engr., Municipal Power Plant,
 City of Clarksdale.

Fernwood.—Spicer, C. W., M. M., Fernwood Lumber Co., Fernwood &
 Gulf R. R.

Gulfport.—Rollins, H. M., Supt., Gulfport Creosoting Co.

Magnolia.—Kramer, X. A., Cons. Engr.

Meridian.—Rogers, C. M. (Jr.), District Engr., Henry L. Doherty & Co.

Vicksburg.—Robinson, B. J., Prop., Mgr., B. J. Robinson's Mch. Wks.

MISSOURI

Bonne Terre.—Sicka, L. T., Mech. Supt., Engr., St. Joseph Lead Co.

Clayton.—Wallace, E. V. D. (Jr.), 9 Walinca Terrace.

Columbia.—Heileman, F. A. (Jr.), Foreman Light and Heat Sta., Univ.
 of Mo.

MISSOURI, Columbia (Continued)

Hibbard, H. W., Prof. M. E., Univ. of Mo.

Westcott, A. L., Supt. Bldgs., Univ. of Mo.

Wharton, J. R., Chairman Dept. of M. E., Univ. of Mo.

Hannibal.—Baker, W. H., Box 603.

Kessler, H. H. (Jr.), 1st Lieut. Ord. Section, O. R. C.

Jefferson City.—Whitlow, J. A., Ch. Dept. Gas, Elec., Heat and Water, Pub. Service Com. of Mo.**Joplin.**—Conklin, H. R., Min. and E. E., 104 E. 15th St.**Kansas City.**—Atwater, H. A. (Jr.), Fuel Engr., Central Coal & Coke Co.

Aycock, R. V. Prop., R. V. Aycock & Co.

Beck, C. E. (Jr.), Dist. Mgr., De La Vergne Mch. Co.

Bettis, A. E., Supt., Kansas City Light & Power Co.

Brady, J. H., Ch. Engr. & Supt. of Bldgs., Bd. of Education.

Clarke, L. L., M. and E. E., Waddell & Son.

Cushman, F., Jr., Head of Dept. Mech. Arts, Kansas City Poly. Inst.

Daniel, A. P., Designing and Cons. M. E., Bituminized Road Co.

Downes, N. W., M. E., Kansas City Sch. Dist.

Fitch, G. K., Mgr. Tank Dept., Kansas City Structural Steel Co.

Frauens, F. H., Jr. (Jr.), Res. Engr., W. B. Rollins & Co.

Fritts, C. E., Supt. Power and Elec. Dept., Kansas City Rys. Co.

Grauten, S. H., Engr. Substations & Elec. Distribution, Bd. of Control, Kansas City Rys. Co.

Harrington, J. L., Harrington, Howard & Ash.

Howard, E. E., Mem. of Firm, Harrington, Howard & Ash.

Hunt, L. A., Pres., Hunt Engrg. Co.

Hurlburt, A., Engr., Kansas City Gas Co.

Kent, J. M., Member, Kansas City Smoke Abatement Commission; Teacher Steam and Elec., Manual Training High Sch.

Knerr, L. E. (Jr.), Capt., E. O. R. C., U. S. A., 3338 Broadway.

Lund, Hugo, Office Engr., Kansas City Rys. Co.

McCarty, R. J., V. P., Kansas City So. Ry. Co.

New, W. E., M. M., Kansas City Terminal Ry.

Nofsinger, L. E. (Jr.), Instr. Applied Sciences, Kansas City Poly. Inst.

Rollins, W. B., Cons. Engr., W. B. Rollins & Co.

Survey, D. F., M. E., Hunt Engrg. Co.

Sherwood, H. P. (Jr.), Sales & Erect. Engr., The Permutit Co.

Shidell, K., Dist. Rep., Anglo Am. Mill Co., Inc. of Owensboro, Ky.

Stone, L. L., Ch. Engr., Hunt Engrg. Co.

West, W. C. (Jr.), Mech. Expt., Galena-Signal Oil Co.

Williams, N. N., Cons. Mech., Civil and Elec. Engr.

Rivermines.—Breyer, E. F., M. E., Doe Run Lead Co.**Rolla.**—Dickerson, H. S., Prof. Mech. Engrg., Practical Mechs., Sch. of Mines, Univ. of Mo.**St. Charles.**—Barton, R. L., Draftsman, Checker, Am. Car & Fdy. Co.**St. Louis.**—Ackerman, F. (Jr.), Asst. Wks. Mgr., Curtis & Co. Mfg. Co.

Allison, J. E., Cons. Engr., 300 Security Bldg.

MISSOURI, St. Louis (Continued)

- Ammen, F. Du P., Atty., Bank of Commerce Bldg.
 Armstrong, W. H. (Jr.), Instr. Mch. Shop Practice, David Ranken, Jr. Sch. of Mech. Trades.
 Azbe, V. J., Anheuser Busch Assn., Engrg. Dept.
 Ball, P. De C., Prop., Ice & Cold Mch. Co.
 Baumes, P. B., Pres., Baumes-McDevitt Mchy. Co.
 Bausch, F. E., Mgr., Hooven Owens Rentschler Co.
 Bell, E. D., Genl. Supt., St. Louis Elec. Term. Ry. Co., St. Louis Elec. Bridge Co., Madison Co. Light & Power Co.
 Berger, F. A., Asst. Prof. M. E., Washington Univ.
 Best, J. L. (Jr.), M. E., So. Ill. Light & Power Co.
 Bixby, Genl. W. H., U. S. Engr. Office, 428 Customhouse.
 Blackman, G. H. (Jr.), Mem. of Firm, Bowman-Blackman Mch. Tool Co.
 Blair, W. R., Wks. Mgr., Measuregraph Co.
 Boehmer, E. J., Ch. Engr., Rice-Stix Dry Goods Co.
 Bond, Capt. F. M., Inspr. Ordnance, Wagner Elec. Mfg. Co.
 Bretzfelder, I. L., V. P., Treas., Alvey Mfg. Co.
 Brown, E. L., Jr., First Lieut., E. O. R. C., U. S. A.
 Bryan, W. E., Supt. Power Stas., United Ry. Co.
 Bryce, R. M. (Jr.), Baumes McDevitt Mch. Co.
 Buford, E. H. (Jr.), Engr. of Design and Erection, Monsanto Chem. Wks.
 Busse, F. E., V. P., Barry-Wehmiller Mchy. Co.
 Carnegie, J., Asst. to Ch. Engr., Union Elec. Light & Power Co.
 Clyne, R. G., M. E., 700-704 Columbia Bldg.
 Day, L. A., Ch. M. E., St. Louis Water Dept.
 Dillon, E. L., Mech. Engr., Fairbanks, Morse & Co.
 Dobyne, S. A., Genl. Supt., Champion Shoe Mchy. Co.
 Easton, L. B., Sales Engr., Henry R. Worthington, 701 Laclede Gas Bldg.
 Eckert, A. C., Pat. Lawyer, 702-6 Title Guaranty Bldg.
 Evans, G. B., Ch. Engr., Laclede Gas Light Co.
 Ferguson, J. W., Supvr. Mech. Goods Sales, The Goodyear Tire & Rubber Co.
 Flad, E., Pres., Flad-Humphrey Engrg. Co., Pub. Serv. Commission. Jefferson City.
 Freeman, B. W. (Jr.), 1st Lieut. Ord. Dept.; Mgr., Benjamin W. Freeman Co.; Mgr. The Louis G. Freeman Co., Cincinnati, O.
 Fuchs, H., Mgr., Mexican Dept., Fairbanks, Morse & Co.
 Funk, N. E., Cons. Engr., 22nd and Campbell Sts.
 Gauss, H. F., Ch. Insp. of Boilers & Elevators, City of St. Louis.
 Gazzam, J. P., 5027 Westminster Pl.
 Gray, J. L., Mgr. Mfg. Dept., Pierce Oil Corp.
 Green, F. W., Asst. to Pres., St. Louis Southwest Ry. Co.
 Greene, H. T., Supt. of Maintenance, Wagner Elec. Mfg. Co.
 Gustafson, L., Supt., David Ranken Jr. Sch. of Mech. Trades.
 Hawks, A. S., Ch. Engr., Busch-Sulzer Bros.-Diesel Eng. Co.
 Hecker, A. J., Mech. Supt., St. Louis Refrigerating & Cold Storage Co., Lewis & O'Fallon.
 Helmreich, L. W., Head Elec. Dept., Ranken Mech. Sch.
 Hessenbruch, G. S., Cons. Engr., Suite 920, Victoria Bldg.
 Hoffman, W. A., Sales Engr., H. W. Johns-Manville Co.
 Holman, M. L., Cons. Engr., Holman & Laird.
 Howell, A. K. (Jr.), Capt. O. O. R. C., U. S. A., Picatenny Arsenal, Dover, N. J.; Sales Engr., Bonsack Mchy. Co.
 Howes, R. L. (Jr.), Mgr. Mchy. Dept., Fairbanks, Morse Co.

MISSOURI, St. Louis (Continued)

- Huff, L. C., Ch. Draftsman, Union Elec. Light & Power Co.
 Jewett, F. N., Sales Mgr., Wagner Elec. Mfg. Co.
 Karl, R. H., Asst. Supvg. Engr., Anheuser Busch Brewing Asso., 9th and Pestalozzi St.
 Keenan, G. M. (Jr.), Engr., Steam Engrg. Dept., Union Elec. Light & Power Co.
 Klein, G. F. (Jr.), M. E., Municipal Power Plants, Dept. of Pub. Utilities, City of St. Louis.
 Kupferle, E. Pres., Kupferle Bros. Mfg. Co.
 Laichinger, J., M. E., Tait & Nordmeyer Engrg. Co.
 Liljegren, G. O., Mgr. Sprinkler Dept., Urbauer-Atwood Htg. Co.
 Lord, C. B., Genl. Supt., Wagner Elec. Mfg. Co.
 McCulloch, R., Pres., United Rys. Co.
 McDevitt, F. J. (Jr.), V. P., Baumes-McDevitt Mchy. Co., Inc.
 MacArthur, C. P., Genl. Foreman, Wagner Elec. Mfg. Co.
 MacKinnon, J. A., Night Supt., Curtis & Co. Mfg. Co.
 Magdeburger, E. C., Designing Engr., Busch-Sulzer Bros.-Diesel Eng. Co.
 Morrison, J. P., Ch. Inspr., Hartford Steam Boiler Inspec. & Ins. Co.
 Nicol, J., 4241 S. Grand Ave.
 Nordmeyer, L. C., Secy., Treas., Tait & Nordmeyer Engrg. Co.
 O'Brien, J. E., Mech. Supt., Mo. Pac. R. R.
 Ohle, E. L., Prof. M. E., Washington Univ.
 O'Neill, J. F., Pres., Fulton Iron Wks.
 Peterson, C. H., Southwestern Rep., Baldwin Loco. Wks., Stand. Steel Wks. Co.
 Pogue, G. D., Sales Mgr., Fulton Iron Wks.
 Radcliffe, R. L., St. Louis Sales Mgr., Henry R. Worthington, 701 Laclede Gas Bldg.
 Reeves, W. H., Pres., Reeves & Skinner Mchy. Co.
 Rogers, N. S., Constr. Engr., Engineering Service Corporation, 1984 Ry. Exchange.
 Rosenow, H. F., Mgr. Heating Dept., Skinner Bros. Mfg. Co.
 Rotter, M., V. P., in charge Engrg., Busch-Sulzer Bros.-Diesel Eng. Co.
 Ruebel, C. A. E., Pres., Ruebel & Wells Cons. Engrs. Co.
 Rupp, M. E., Asst. Supt., Curtis & Co. Mfg. Co.
 Schadek, E. W., Ch. Engr., Ruemmell-Dawley Mfg. Co.
 Schaum, A. H., Ch. Draftsman, Helne Safety Boiler Co.
 Schlatter, R., Engr. Charge of Design, Busch-Sulzer Bros.-Diesel Eng. Co.
 Schneider, R., Designing Engr., Marine Oil Eng., Busch-Sulzer Bros.-Diesel Eng. Co.
 Schubart, F. H. (Jr.), Dist. Mgr., Wheeler Cond. & Engrg. Co.
 Schwarz, M., Production Mgr., Copper Clad Malleable Range Co.
 Setz, H. R., 5651 Maple Ave.
 Skinner, R., Treas., Reeves & Skinner Mchy. Co.
 Smith, E. D., Ch. Engr., United Rys. Co.
 Smith, R. W., Hartford Steam Boiler Inspec. & Ins. Co.
 Stolberg, E. C., Asst. Engr. Improvement Dept., Am. Car & Fdy. Co.
 Tachella, A. A., Busch-Sulzer Bros.-Diesel Eng. Co.
 Tenney, E. H., Asst. Ch. Engr., Union Elec. Light & Power Co.
 Thompson, H. L. (Jr.), Sales Engr., A. S. Cameron Steam Pump Wks.
 Wadleigh, G. R., Constr. Engr., Bemis Bros. Bag Co.
 Westlake, C. T., Ch. M. E., Commonwealth Steel Co.

MISSOURI, St. Louis (Continued)

Wilms, H. (Jr.), M. E., Am. Zinc, Lead & Smelting Co.
 Wright, S. (Jr.), Busch-Sulzer Bros.-Diesel Eng. Co.
 Wurdack, H., Pres., Light & Development Co. of St. Louis.

Springfield.—Bowles, J. D., Supt. Elec. Dept., Springfield Gas & Elec. Co., Springfield Traction Co.

Brown, W. E. (Jr.), Ch. Engr., United Iron Wks. Co.
 Peters, R. F., M. E., Frisco Lines, Frisco Bldg.
 Rosing, W. H. V., Spec. Engr., St. L. & S. F. Ry. Co.

Webster Groves.—Matlack, E. V., 515 Bompert Ave.

Miltnerberger, G. K. (Jr.), Power Salesman, Elec. Co. of Mo.
 Moore, S. H., Arch. and Engr., Forest and Selma Ave.

MONTANA

Billings.—Ballou, F. H., Asst. Ch. Engr., Great Western Sugar Co.

Cowell, F. W., Traveling Engr., Great West. Sugar Co.
 Morrison, B. W. (Jr.), Great West. Sugar Co.
 Schmalz, C. H., Mgr., Billings Steel & Mchy. Co.

Bozeman.—Wohlenberg, W. J., Asst. Prof. M. E., Univ. of Mont.

Butte.—Charles, A. W., Asst. Ch. Engr., C. V. Nordberg Mchy. Co.

Nordberg, C. V., Pres., C. V. Nordberg Mchy. Co.
 Rusterholz, R. W., Branch Mgr., Ingersoll-Rand Co.

Clearwater.—Turner, C., 1st Lieut., Field Artillery, O. R. C.

Great Falls.—Klepinger, J. H., Supt., Great Falls Reduction Dept., Anaconda Copper Min. Co.

Missoula.—Robertson, R. N., Ch. Engr., Am. Smelting & Refining Co.

NEBRASKA

Alliance.—Stuart, T. E., Cons. Engr., Alliance Potash Co.

Omaha.—Brady, L. J. (Jr.), Traveling Rep., Nash Sales Co.

Burton, W. D., Aero. M. E., U. S. Signal Serv.
 Fuller, C. E., Supt. M. P. and Mchy., Union Pac. R. R. Co.
 Hall, C. A. (Jr.), Am. Smelting & Refining Co.
 Harriman, N. F., Chem., Engr. of Tests, Union Pac. R. R. Co.
 Kemp, F. I. (Jr.), Sales Engr., Worthington Pump & Mchy. Corp'n.
 Kyhl, L. C., Ch. Draftsman, Am. Smelting & Refining Co.
 McKeen, W. R., Pres., Genl. Mgr., McKeen Motor Car Co.
 Sloman, H. E. (Jr.), Draftsman, Union Pacific R. R.

NEVADA

McGill.—Duncan, L., M. E., Nev. Consld. Copper Co.

NEW HAMPSHIRE

Berlin.—Moore, H. K., Chemical Engr., Berlin Mills Co., Burgess Sulphite Fibre Co., Brown Corp.

Charlestown.—Webber, S. S.

NEW HAMPSHIRE (Continued)

Claremont.—Bateman, G. W., Genl. Pur. Agt., Sullivan Mchy. Co.
 Fry, T. W., Secy., Sullivan Mchy. Co.
 Holdsworth, F. D., M. E., Sullivan Mchy. Co.

Concord.—Lauder, G. B. (Jr.), Cons. E. E.

Durham.—Laton, T. J. (Jr.), Instr. in Drawing, N. H. College.

Hooksett.—Bourne, S. N., Agt., Dundee Mills.

Manchester.—Bullard, M. L., M. E., E. E., L. H. Shattuck, Inc.
 Diman, W. G., Power Supt., Amoskeag Mfg. Co.
 Manning, Capt. C. H., Ch. Engr., U. S. N. Ret., Chas. H. & Chas. B.
 Manning, 1004 Amoskeag Bank Bldg.
 Smith, H. A. (Jr.), Mgr. Plant Dept., W. H. McElwain Co.

Nashua.—Bartlett, E. E., Prop., 41 Crown St.
 Flather, E. J., Pres., Treas., E. J. Flather Mfg. Co.
 Hussey, O. S., 43 Concord St.
 Morey, E., Secy., Supt., E. J. Flather Mfg. Co.

Penacook.—Bolton, J. W., Farmer, R. F. D. 11.

Portsmouth.—Tilton, H. B., Supt. and Wks. Mgr., Morley Button Mfg. Co.

Walpole.—Clarke, A.
 Parkhurst, H.

NEW JERSEY

Aldene.—Stillman, A. F., V. P., Secy., Watson Stillman Co.

Ampere.—Freeman, H. A., Ch. Draftsman, Crocker Wheeler Co.
 Henderson, R. H., Mgr., Henderson Elec. Co.
 Root, H. D., Mech. Designer, Crocker-Wheeler Co.
 Waring, E. H., M. E., Crocker-Wheeler Co.
 Wheeler, S. S., Pres., Crocker-Wheeler Co.
 White, H. E., Controller Engr., Crocker-Wheeler Co.

Arlington.—Cory, G. J., Jr. (Jr.), Production Mgr., Riverside Steel Casting Co.
 Richardson, M. F., Plant Mgr., E. I. du Pont de Nemours & Co.

Atlantic City.—Purinton, A. J., Genl. Supt., Atlantic City & Shore R. R. Co.
 Strouse, S. B. (Jr.), Genl. Engrg. Practice, 140 S. Maryland Ave.

Audubon.—Cobb, H. E. (Jr.), Progress Engr., U. S. Shipping Bd.

Bayonne.—Blumenfeld, R., 2nd Lieut. Ord., O. R. C.
 Carney, E. B., M. E., 14 E. 46th St.
 Conrad, E. B., Supt., Elec. Launch Co.
 Dole, I. B. (Jr.), Agt., Federal Creosoting Co.
 Edwards, S. H., Genl. Supt., Tide Water Oil Co.
 de Flores, L., Ch. Engr., Motor Petrol Co.
 Gaw, F. W. (Jr.), Babcock & Wilcox Co., Magle.
 Gulowsen, G. A., Draftsman, Babcock & Wilcox Co.
 Harter, I., Jr., Supt., Babcock & Wilcox Co.

NEW JERSEY, Bayonne (Continued)

Hummel, F. G. (Jr.), Insp. U. S. N., Babcock & Wilcox Co.
 Inslee, H. C., Engr. on Plant Wk., Babcock & Wilcox Co.
 Jeanneret, L. E. (Jr.), Babcock & Wilcox Co.
 Knowlton, E. K., Power Supt., Stand. Oil Co.
 Kohler, A. M., Production Engr., The Babcock & Wilcox Co.
 McNinch, H. T., Engr., Babcock & Wilcox Co.
 Molyneux, G. E., Inventor, 19 Edwards Ct.
 Prentice, J., Asst. Supt., Babcock & Wilcox Co.
 Rowlands, R. A. (Jr.), Traveling Engr., Babcock & Wilcox Co.
 Rupf, E. L., Genl. Mgr., Bayonne Bolt & Nut Co.
 Sargent, W. D., Pres., Bayonne Steel Casting Co.
 Sawyer, L. E. (Jr.), Research Dept., Babcock & Wilcox Co.
 Service, J. S. (Jr.), 2nd Asst. Ch. Draftsman, Babcock & Wilcox Co.
 Smith, A., Pres., Bergen Point Iron Wks.
 Smith, W. E. (Jr.), Traveling Engr., Babcock & Wilcox Co.
 Sneddon, J. P., Genl. Supt., Babcock & Wilcox Co.
 White, P. D. (Jr.), Engr., Babcock & Wilcox Co.
 Wilson, J. A., Traveling Engr., Babcock & Wilcox Co.
 Zachert, A. R., Ch. of Production Dept., Babcock & Wilcox Co.

Bernardsville.—Bensel, J. A., Major, Engr. Corps, O. R. C.

Bloomfield.—Barrett, G. E., Sprague Elec. Wks., Genl. Elec. Co.

Baylis, R. N., Pres., Engr., Baylis Co.

Beekman, H. M. (Jr.), M. E., Primary Battery Div., Thomas A. Edison, Inc.

Berthold, G. H. E., Supt., Rajah Auto-Supply Co.

Burns, H. A., Supt. Material Dept., Internatl. Arms & Fuse Co.

Dempwolf, C. J. (Jr.), Engrg. Dept. Primary Battery Div., Thomas A. Edison, Inc.

Eisler, C., Ch. Designer, Westinghouse Lamp Co.

Gladeck, F. C., Ord. Engr., Intl. Arms & Fuse Co.

Hawkins, Major Wilford J., V. P., Intl. Arms & Fuse Co., Inc.; V. P., Intl. Mfg. Co., Ltd., Montreal, Quebec, Canada.

Kammerhoff, H. H. M., Mgr. Coal Tar Products Div., Thomas A. Edison, Inc.

Lane, L. K., Factory Mgr., Empire Cream Separator Co.

Libby, S. H., Engr., Holst Dept., Sprague Elec. Wks.

Lynch, F. J. (Jr.), Mech. Supt., Peerless Tube Co.

Saltzman, A. L., Div. Mgr., Edison Primary Battery Mfg. Div. of Thomas A. Edison, Inc.

Smith, A. K. (Jr.), Asst. Ch. Draftsman, Westinghouse Lamp Co.

Smith, E. B. (Jr.), Westinghouse Lamp Co.

Bloomington.—Talbot, J. A. (Jr.), 2nd Lieut., F. A., U. S. R., Bloomington Rubber Co.

Boonton.—James, R. M. (Jr.), Foreman Finishing Dept., Boonton Rubber Mfg. Co.

Bound Brook.—Chamberlain, F. H., V. P., Calco Chem. Co.

Jeffcott, R. C., Pres., The Calco Chem. Co.

McMurray, J. H. (Jr.), 1st Lieut., Ord. R. C., 214 W. Union Ave.

Bridgeton.—Janvier, H. A., Asst. Engr., Ferracute Mch. Co.

Smith, O., Pres., Engr., Ferracute Mch. Co.

Burlington.—Conard, W. R., Savings Institution Bldg.

NEW JERSEY, Burlington (Continued)

Forrest, J., Designing Engr., U. S. Cast Iron Pipe & Fdy. Co.

Camden.—Atkinson, A. W., Asst. Treas., Victor Talking Mch. Co.

Bilyeu, W. F., Mgr. Feed-water Heater Dept., Warren Webster & Co.

Blank, B. (Jr.), Sta. Constr., Philadelphia Elec. Co.

Bösch, F., Designing and Cons. Engr., 30 N. 30th St.

Fitts, J. L., Factory Mgr., Warren Webster & Co.

Kauffmann, F. F., Asst. to Ch. Engr., N. Y. Shipbuilding Co.

May, DeC., Chairman, N. Y. Shipbuilding Co.

Miller, F. J. (Jr.), Asst. Engr., Warren Webster & Co.

Murray, H. H., M. E., Victor Talking Mch. Co.

Neeland, M. A., Pres., New York Shipbuilding Co.

Patterson, E. H., Asst. to Ch. Engr., N. Y. Shipbuilding Corp.

Scott, E. G., Supt. of Equip., Joseph Campbell Co.

Shaw, J. H. (Jr.), Draughtsman, N. Y. Shipbuilding Co.

Vosbury, W. D., Cons. Engr., Remington & Vosbury.

Webster, W., Pres., Warren Webster & Co.

Camp Dix.—Allen, J. E., First Lieut. 26th Engr.

Brewster, H. B., Capt. and Adj., 303d Reg. Engrs.

Garrett, S. S., Capt. 303rd Engr. Regt.

Newcomb, F. L. (Jr.), 1st Lieut., 24th Reg. Engrs.

Whitlock, E. H., Major C. E., U. S. R., 26th Engr. Regt., 11200 Edge-water Drive.

Larsen, C., Capt., 26th Engrs.

Carneys Point.—Coates, E. O. (Jr.), Supvr., du Pont Powder Co.**Carteret.**—Arnold, A. B., Dist. Engr., Am. Agri. Chem. Co.

Brown, J. J., V. P., Wheeler Condenser & Engrg. Co.

Christie, E. W., Ch. Engr., Wheeler Cond. & Engrg. Co.

Tyson, R. E., Pres., Tyson Bros., Inc.

Chrome.—Brower, C. L., Ch. Engr., U. S. Metals Refining Co.

Deacon, R. W., Supt., U. S. Metals Refining Co.

Cranford.—Clark, F. C., Supt. Kenilworth Plant, Am. Can Co.

Ross, Henry B., 1st Lieut., 104th U. S. Engineers.

Dover.—Ayer, W. T., Supt., McKiernan-Terry Drill Co.

Lynd, R. E., Asst. Supt., Richardson & Boynton Co.

Dunellen.—Faber, J. P., Ch. Engr., Ransome Concrete Mchy. Co.**East Orange.**—Boller, A. P., Jr., 80 Prospect St.

Lyon R. F. (Jr.), 25 N. Grove St.

Newton, L. W., Ch. Tool Des., Simms Magneto Co., Arlington Ave., Lock Box 152.

O'Leary, F. J., 33 S. Grove St.

Sayre, L. A. (Jr.), Crocker-Wheeler Co.

Schultz, W. W., 2nd Lieut. Co. B., 1st Battalion, 104th Reg. Engr., U. S. A.

Shaw, L. E., Dir. Mech. and Elec. Dept., Engrg. Serv. Labs.

String, J. S. (Jr.), 130 Arlington Ave.

Willett, W., 135 N. Arlington Ave.

NEW JERSEY (Continued)**Edgewater.**—Kihm, O. R., Supt., Am. Can Co.

Manuel, C. J. (Jr.), Ch. Draftsman Shell Forging Dept., Am. Can Co.

Elizabeth.—Ackerman, A. A., Jr., Ch. Draftsman, Singer Mfg. Co.

Anderson, H. T. (Jr.), Ch. Tool Designer, Duesenberg Motors Corp'n.

Barlow, E. H. (Jr.), M. E., Stand. Oil Co.

Briggs, W. C., Erie Ave. and Springfield Rd.

Conran, F. M., Supt., Metals Plating Co.

Dale, O. G., Singer Mfg. Co.

Hall, J. A., Pres., Hall Mch. Co.

Miller, L. B., Ret., 1025 E. Jersey St.

Moore, S. L., V. P., Genl. Mgr., Moore Bros. Co.

Osterman, P. C., Asst. Supt., Am. Gas Furnace Co.

Elizabethport.—Dalrymple, P. W. (Jr.), Engr., Singer Mfg. Co.

Davidson, W. A., Engrg. Dept., Singer Mfg. Co.

De Leeuw, A. L., M. E., Singer Mfg. Co.

Hey, H. A., Mech. Engrg. Dept., Singer Mfg. Co.

Matthews, J. B., Marine Power Engr., Samuel L. Moore & Sons Corp'n.

McMillan, D. G., Power Plant Engr., Singer Mfg. Co.

Peets, W. J. (Jr.), M. E., Singer Mfg. Co.

Essex Fells.—Campbell, N. St. G., Registrar, Kingsley Sch.**Fairview.**—Nielsen, L. H. (Jr.), Ch. Engr., B. T. Babbitt, Inc.**Fort Hancock.**—Beard, T. J. (Jr.), Lieut. Sandy Hook Proving Ground.

Lawatsch, F. R., Ordnance and Engrg. Draftsman, Sandy Hook Proving Ground.

Metcalf, G. R., Jr. (Jr.), First Lieut., U. S. R., Ord. Dept., U. S. A., Sandy Hook Proving Ground.

Nesbit, J. N. G., Ord. Div., Sandy Hook Proving Ground.

Ross, Sir C. H., A. F. L., Lieut., O. O. R. C.

Voorhees, J. R., Lieut. Ord. Dept., U. S. A., Sandy Hook Proving Ground.

Ft. Mott.—Baquet, C., Jr., 2nd Lieut., 1st Co. Coast Artillery Corps.**Franklin.**—Tillson, B. F., Head of Min. Dept., M. E., E. E., N. J. Zinc Co.**Garfield.**—Appleton, H. W. (Jr.), V. P., Factory Mgr., Hemming Mfg. Co.**Garwood.**—Stern, J. H. (Jr.), Asst. Engr., Aeolian Co.

Tuttle, W. S., Pres., Garwood Bronze & Iron Wks.

Gloucester.—Garratt, E. A., Cons. Engr., Jacobs & Barringer, Ltd.**Gloucester City.**—Hubbell, C. W., Arch. and Engr., Pa. Shipbuilding Co.
Wegener, F. A. (Jr.), Works Mgr., Welsbach Co.**Hackensack.**—Boyd, J. T., 231 Polify Rd.**Hampton.**—Halyburton, F. J.**Harrison.**—Allerton, R. W., Supt. Erecting Dept., Henry R. Worthington.
Borchardt, A. H., Engrg. Sales, Worthington Pump & Mch. Corp.

NEW JERSEY, Harrison (Continued)

Brown, C. B., Erecting Engr., Henry R. Worthington.
 Burling, H. S. (Jr.), Asst. Supt. Ordnance Dept., Crucible Steel Co.
 Cohen, E. F. (Jr.), Sales Engr. Centrifugal Pump Dept., Worthington Pump & Mch. Corp.
 Dorer, O. H. (Jr.), Engrg. Dept., Henry R. Worthington.
 Ferguson, C. W. (Jr.), Asst. Supt. Outside Erecting Dept., Henry R. Worthington.
 Franklin, P. A. (Jr.), Supt. Newark Warehouse, Am. Sanitary Wks.
 Grace, J. F., Designing Engr., Henry R. Worthington.
 Harrold, F. F., Asst. Ch. Engr., Crucible Steel Co. of Amer.
 Hermanson, T. H., Supt., Henry R. Worthington.
 Howell, J. W., Engr. Lamp Wks., Genl. Elec. Co.
 Jones, B. N., Wks. Mgr., Otis Elev. Co.
 Lapat, L. (Jr.), Erecting Engr., Henry R. Worthington.
 Nickel, F. F., M. E., Henry R. Worthington.
 Prest, H. M. (Jr.), Engrg. Dept., Henry R. Worthington.
 Robinson, A. S. (Jr.), Asst. Wks. Engr., Hyatt Roller Bearing Co.
 Schwanhausser, E. J. (Jr.), Condenser Engr. Dept., Worthington Pump & Mch. Corp'n.
 Shriver, H. T. (Jr.), Prop., T. Shriver & Co.

Haworth.—Dadley, J. W.

Hibernia.—Noble, A. C., Genl. M. M., Mining Dept., Wharton Steel Co.

High Bridge.—Alexander, E. E., M. E., Taylor-Wharton Iron & Steel Co.

Bench, A. R. (Jr.), Taylor-Wharton Iron & Steel Co.

Highland Beach.—Jacob, C. L. (Jr.), Cons. Supt., Jarrett-Chambers Co.

Hoboken.—Anderson, R. M., Acting Prof. Engrg. Practice, Stevens Inst. of Tech.

Batten, L. W., Jr. (Jr.), Instr. Dept. Mech. Engrg., Stevens Inst. of Tech.

Charavay, M. A. (Jr.), Asst. Prof. M. E., Stevens Inst. of Tech.

Denton, J. E., Prof. Emeritus of Engrg. Practice, Stevens Inst. of Tech.

Fletcher, A., Jr. (Jr.), W. & A. Fletcher Co.

Furman, F. De R., Prof. Mech. and Mch. Design, Stevens Inst. of Tech.

Gunther, C. O., Prof. Math., Stevens Inst. of Tech., Cons. Engr., Spec. in Chimney Design and Constr., P. O. Box 77.

Halliday, W. R., Asst. Prof. Mech. and Mch. Design, Stevens Inst. of Tech.

Kavanagh, T. J., Am. Sugar Refining Co.

Keuffel, C. W. (Jr.), Supvr. of Optical Dept., Keuffel & Esser Co.

Kinsey, A. S., Supvg. Instr. Shop Practice, Stevens Inst. of Tech.

Knapp, E. R., Prof. Descriptive Geom. and Mech. Drawing, Stevens Inst. of Tech.

Lansing, R. P. (Jr.), Engr., Bijur Motor Lighting Co.

Le Page, C. B., Asst. Prof. Physics, Stevens Inst. of Tech.

Martin, H. A., Factory Engr., Bijur Motor Lighting Co.

Martin, L. A., Jr., Prof. Mech., Dean Stevens Inst. of Tech.

Mosher, W. E. (Jr.), Asst. Superintending Engr., Q. M. C., U. S. Army Piers.

Nilson, L. G., Pres., Ch. Engr., Nilson-Miller Co.

Pryor, F. L., Prof. Exper. Engrg., Stevens Inst. of Tech.

NEW JERSEY, Hoboken (Continued)

Reckendorfer, J. K. (Jr.), Asst. Secy., Am. Lead Pencil Co.
 Reifsnyder, J. D., V. P., Gefes Mch. Co., Inc.
 Stevens, E. A., Pres., Hoboken Land & Improvement Co.
 Sticht, Wm., M. E., Am. Lead Pencil Co.
 Van Patten, W. E., Light, Heat and Power Engr., D., L. & W. R. R. Co.

Irrington.—Eberhardt, H. E. (Jr.), Secy., Gould & Eberhardt.

Horstmann, H. J., Mgr., F. W. Horstmann Co.

Koerner, T. H., 20 Laurel Ave.

Waters, D. V. (Jr.), Mch. Designer, Gould & Eberhardt.

Jamesburg.—Foersterling, Dr. H., Ph. D.**Jersey City.**—Abel, J., Treas., Factory Mgr., Mersereau Metal Bed Co.

Abrams, F. W. (Jr.), Asst. Supt. Eagle Wks., Stand. Oil Co. of N. J., Claremont.

Allan, W. T., Mem. of Firm, A. Allan & Son, Harrison.

Bennett, A. N., Supt., Safety Car Htg. & Ltg. Co.

Benton, M. F., M. E., Designer, Asst. Mgr. Genl. Mfg. Dept., Am. Type Founders Co.

Burghardt, H. D., Instr. Charge Mch. Shops, Wm. L. Dickinson H. S.

Cave, H., Dir. Tech. Research, Davis-Bournonville Co.

Chambers, C. E., Supt. M. P., Central R. R. of N. J.

Cooper, G. H., Ch. Engr., Manhattan Electrical Supply Co., Inc.

Craig, J., James Craig Eng. & Mch. Wks.

Davey, W., Ch. Engr., Colgate & Co.

Davies, T. H., Engr. in charge, W. L. Dickinson H. S.

Dempwolf, Charles J., M. E., Ch. Draftsman and Engr., James Craig Engine & Mch. Wks.

Deppeler, J. H., Supt., Goldschmidt Thermit Co.

Ducommun, E., Ch. Engr., Am. Sugar Refining Co.

Fischer, O. W., Ch. Draftsman, L. O. Koven & Bro.

Hagar, A. P., Engr. Marine Dept., Safety Car Htg. & Ltg. Co.

Hamilton, H. A., Asst. Mgr., Mengel Box Co.

Hendrick, W. M. (Jr.), Engr., N. Y. Continental Jewell Filtration Co.

Jackson, W. G. (Jr.), Wks. Engr. Spaulding & Jennings Wks., Crucible Steel Co. of Amer.

Kelly, A., Supt., Marion Sta., Pub. Serv. Elec. Co.

Kelly, W. M., Mgr. Kelly Press Dept., Am. Type Founders Co.

Lembeck, O. A., V. P., Lembeck & Betz Eagle Brewing Co.

Lindstrom, N. O., Mgr., A. B. See Elec. Elev. Co.

Logan, M. H., Operator Hudson Div., Pub. Serv. Elec. Co.

McIlvrid, J., Mutual Iron Wks.

Macdonald, H. P., V. P., Snead & Co. Iron Wks.

Mathewson, F. E., Dir. Industrial Dept., Wm. L. Dickinson H. S.

Murphy, B. S., Supt. of Power, Hudson & Manhattan R. R. Co.

Norris, J. B., Jr. (Jr.), 1st Lieut. Engr., U. S. R., U. S. Gov't.

Parker, L. S., V. P., Vulcan Iron Wks., Inc.

Parker, T. R., Supt. Eagle Wks., Stand. Oil Co., Claremont.

Rink, G. W., M. E., M. P. Dept., Central R. R. of N. J.

Roane, R. R., Ch. Engr., Vulcan Iron Wks.

Rouse, R., Jr., Mgr. Mfg. Dept., Boynton Furnace Co.

Sage, D., Power Supt., Hudson & Manhattan R. R. Co.

Sievers, E. J. J. (Jr.), Engr., Draftsman, Pub. Serv. Elec. Co.

Snyder, L. H. (Jr.), Joseph Dixon Crucible Co.

Stephens, H. H., Wks. Mgr., Gillispie Mfg. Corp'n.

NEW JERSEY, Jersey City (Continued)

Tompkins, H. D. (Jr.), Engr., Smooth-On Mfg. Co.

Tompkins, S. D., Pres., Smooth-On Mfg. Co.

Waldeck, L. E. (Jr.), Mfr. of Paper Boxes, 31 Oakland Ave.

White, J. W. H. (Jr.), First Asst. Ch. Engr., Am. Sugar Refining Co.

Kearny.—Chapman, G., Draftsman, Nairn Linoleum Co.

Kenil.—Couch, A. D. (Jr.), Boiler House Supvr., Hercules Powder Co.

Moon, A. G. (Jr.), Acting Wks. Engr., Hercules Powder Co.

Pickel, H. A., Supt. of Power, Hercules Powder Co.

Lakehurst.—Szymanski, C. E., Mech. and Efficiency Engr., P. O. Box 168.

Leonia.—Matthews, F. E., Refrig. Engr.

Long Branch.—Griffiths, L. L., 701 Broadway.

Mahwah.—Prince, W. F., Supt. Fdy. Dept., Am. Brake Shoe & Fdy. Co.
Snow, E. J.

Manville.—Fuhr, H. E. (Jr.), Student Apprentice, H. W. Johns-Manville Co.

Maurer.—Barron, A. F. (Jr.), Draughtsman, Am. Smelting & Refining Co.

Woolson, C. G., Asst. to Ch. Engr., Barber Asphalt Paving Co.

Millville.—Bigelow, C. H., Ch. M. E., Millville Mfg. Co., Ch. M. E., Millville Traction Co.

Montclair.—Funk, Nelson E., Cons. Engr.

Kent, W., Cons. Engr., 57 S. Fullerton Ave.

Pearce, Robert T., 70 Gates Ave.

Moorestown.—Middleton, A. C., 232 E. Main St.

Mountain Lakes.—Krause, A. E., Mfg. Oil and Grease, Extracting Filters for Condensate Returns, 25 Morris Ave.

New Brunswick.—Carpender, S. B., V. P., Genl. Mgr., Brunswick Refrig. Co.

Fox, R. E., Jr., Wright-Martin Aircraft Corp'n.

Greenman, P. R. (Jr.), Tool Designer, Wright-Martin Aircraft Corp'n.

Heck, R. C. H., Prof. M. E., Rutgers College.

Lee, C. (Jr.), M. E., India Rubber Co.

Newcomb, E. C., Cons. Engr., Wright-Martin Co.

Schiltz, B. P. (Jr.), Equip. Engr., Duesenberg Motors Corp., Elizabeth, N. J.

Schubert, F. R. (Jr.), Inspector of Airplane Engines, U. S. Signal Service, Wright-Martin Aircraft Corp.

Whitaker, R. V., Jr., Supt., Neverslip Mfg. Co.

New Lisbon.—White, J. J., Pres., Joseph J. White, Inc.

Newark.—Aldrich, G. W. (Jr.), Splitdorf Elec. Co.

Annett, E. B., Insp. of Gas, Asst. Engr., Pub. Utility Comm., State of N. J.

Baker, C. H., M. E., Pub. Serv. Elec. Co.

Breckenridge, A. L. (Jr.), Draftsman, Balbach Smelting & Refining Co.

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- Brown, A. T., Engrg. Asst. Mech. Dept., Pub. Serv. Elec. Co.
 Burdick, H., Designing Engr., Ch. Draftsman, De Camp & Sloan, Inc.
 Burleigh, W. F., Genl. Supt., Murphy Varnish Co.
 Burroughs, C. F., Pres., Charles Burroughs Co.
 Carle, N. A., Ch. Engr., Pub. Serv. Elec. Co.
 Carver, F. S., M. E., 207 Market St.
 Casler, F. W., Genl. Supt. Production, Pub. Serv. Elec. Co.
 Conard, F. U. (Jr.), Pub. Serv. Gas Co.
 Core, W. W., 123 N. 4th St.
 Cozzens, H. A., Jr. (Jr.), Engrg. Asst., Pub. Serv. Elec. Co.
 Cummiskey, W. M., Cons. Engr., Storm Mfg. Co.
 Doron, W. H., Marden, Orth & Hastings.
 Eberhardt, F. E. (Jr.), V. P., Treas., Newark Gear Cutting Mch. Co.
 Eberhardt, F. L., Pres., Genl. Mgr., Gould & Eberhardt.
 Eberhardt, H. J., Secy., Newark Gear Cutting Mch. Co.
 Evans, Geo. A., Lieut. (J. G.) U. S. N., R. F., U. S. N.
 Faber du Faur, A., Retired, 37 Huntington Terrace.
 Farrand, D., Asst. to Pres., Pub. Serv. Corp'n. of N. J.
 Foster, J. M., Pres., Genl. Mgr., Foster Engrg. Co.
 Frost, V. M., Plant Engr., Pub. Serv. Elec. Co.
 Gates, G. D., Asst. Wks. Mgr., Celluloid Co.
 Goodsell, C. D. (Jr.), Maintenance Engr., Weston Elec. Instrument Co.
 Haglund, G., Pub. Serv. Elec. Co.
 Harrington, H. G., 271 Meeker Ave.
 Hatfield, R. L., Prop., Hatfield & Co.
 Helmstaedter, W. E., M. E., Celluloid Co.
 Henderson, C. T., Ch. Engr., Submarine Boat Corp'n.
 Holck, H. C. (Jr.), Engr., Elec. Designer, Pub. Serv. Elec. Co.
 Hunter, J., Rep., Emergency Fleet Corp'n., Newark Bay Shipyard, Submarine Boat Corp'n.
 Iliff, W. L. (Jr.), Sales Engr., Hyatt Roller Bearing Co.
 Jacobson, C. C., M. E., Designer, The Celluloid Co.
 Jager, G. W. (Jr.), Plant Engr., Natl. Lock Washer Co.
 Jealous, A. R. (Jr.), Asst. Wks. Mgr., Clark Thread Co.
 Keely, R. R., 781 Clinton Ave.
 Kidd, Geo. F., Engrg. Dept., Butterworth-Gudson Corp.
 Klockars, C. O., Supt., Essex Fdy.
 Lang, J. F., Supt., Oxweld Acetylene Co.
 Lawson, J. T., System Operator, Pub. Serv. Elec. Co.
 Liebermann, P. B., Ch. Engr. of Tests, Hyatt Roller Bearing Co.
 Lister, A., Mech. Supt., Clark Thread Co.
 Loomis, E. G., Cons. Engr., 229 Mulberry St.
 Loutrel, C. H., Pres., Natl. Lock Washer Co.
 MacNabb, Clifton E., Designing Draftsman, Wright-Martin Aircraft Corp'n.
 Marot, E. H., Sales Engr., Hyatt Roller Bearing Co.
 Mead, C. A., Ch. Insp'r. Div. of Bridges and Grade Crossings, Pub. Utility Comm., N. J.
 Meyer, E. B., Asst. to Ch. Engr., Pub. Serv. Elec. Co.
 Meyncke, G. M., Sales Engr., Hyatt Roller Bearing Co.
 Mohler, V. J., M. E., Sloan & Chace Mfg. Co., Ltd.
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 Phelps, F. A., M. E., Mill Arch., 9-15 Clinton St.
 Porter, R. (Jr.), Engr., Hyatt Roller Bearing Co.
 Pulis, W. E., Industrial Engr., Celluloid Co.
 Read, G. F., Asst. Wks. Supt., Celluloid Co.

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 Ryan, W. J. (Jr.), Pres., Orr Chem. Co.
 Schiff, C., Pres., Newark Jewel Co.
 Schlank, Elias, Sgt., Sanitary Detach., 107th U. S. Inf., Camp Wadsworth, S. C.
 Schleyer, V., Ch. Engr., Lea Courtenay Co.
 Sickles, E. C., Wks. Engr., Hyatt Roller Bearing Co.
 Taylor, P. B., Cons. Engr., Mill Arch., Essex Bldg.
 Vassar, H. S., Lab. Engr., Pub. Serv. Elec. Co.
 Wachtler, W. B. (Jr.), Asst. Engr. of Tests, Hyatt Roller Bearing Co.
 Walther, A. C., Engr., Contr., 776 Mt. Prospect Ave.
 Warfield, W. G., Ch. Engr., Pub. Serv. Elec. Co.
 Weber, P., Pres., Sloane & Chace Mfg. Co.
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 Weston, E., Pres., Weston Elec. Instrument Co., Waverly Park.
 Whittier, C. R., Engr., Butterworth Judson Corp'n., 42 King Ave.
 Wurts, E. V., Ch. Engr., Steel Utilities, Inc.
 Yates, S. S., Mgr., Butterworth Judson Corp.
 Zeh, E. W., Secy., Treas., Zeh & Hahnemann Co.
 Zouck, G. H. (Jr.), Engrg. Dept., Oxweld Acetylene Co., 646 Frelinghuysen Ave.

Ogdensburg, Sussex Co.—Weintz, L. J. (Jr.), Mill Supt., N. J. Zinc Co.

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Durand, N. C., V. P., Div. Mgr., Thomas A. Edison, Inc.

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Kennedy, A. M., M. R. Hutchison, Inc.

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Mazzocco, D. V. (Jr.), Exper. Engr., Chase Adding Mch. Corp.

Nicolai, C. A., Div. Mgr., Thos. A. Edison, Inc.

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Rice, G. B., Genl. Supt., Thomas A. Edison, Inc.

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Swan, J. J., Thomas A. Edison, Inc.

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Wolfe, H. G., Thos. A. Edison, Edison Lab.

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 Morrow, R. L. (Jr.), Safety Supvr., E. I. du Pont de Nemours Co.

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Barclay, W., Ch. Engr., R. & J. Dick, Ltd.

Constantine, J. H., Dir. Dept. of Industrial Arts and Vocational Training, Pub. Schs.

Dunn, L. S. (Jr.), Engrg. Dept., Brighton Mills.

Ernst, A. F., Ch. Engr., Brighton Mills.

Frederick, K. L., V. P., Genl. Mgr., Passaic Metal Ware Co.

Kelly, T. J., Factory Mgr., Brighton Mills.

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Leonhard, A. T., M. E., Secy., Paterson Parchment Paper Co.
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 McCarte, A. J. (Jr.), Supt., J. & W. Lyall Loom & Mch. Wks.
 Mathey, H. C., Factory Supt., Okonite Co.
 Mount, R. H., Mgr., Okonite Co.
 Riewerts, M., Asst. Ch. Engr., Botany Worsted Mills.
 Rohlig, G. G., Dir., Genl. Supt., Botany Worsted Mills.
 Scheel, H. V. R., Asst. Treas., Brighton Mills.
 Schlachter, C. H., Supt. Engr., Botany Worsted Mills.
 Sedgwick, E. H. (Jr.), Pur. Agt., Brighton Mills.
 Thoma, C., Jr., Passaic Metal Ware Co.
 Uehling, E. A., Pres., Uehling Instrument Co.
 Vennema, A. W. (Jr.), Asst. Supt., Manhattan Rubber Mfg. Co.
 White, K., Belt Engr., Manhattan Rubber Mfg. Co.

Paterson.—Ackerman, W. S., Cons. Engr., 94 17th Ave.

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 Christie, W. W., Cons. Engr., Architect, 140 Market St.
 Cooke, F. W., Ret., 384 Broadway.
 de Laval, C. G., V. P., East Jersey Pipe Corp'n., V. P., Am. Shell
 Co., V. P., Intl. Steel & Ordnance Corp'n.
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 Royle, V. E., M. E., John Royle & Sons.
 Royle, V., Pres., John Royle & Sons.
 Smith, J. C., V. P., Supt., McNab & Harlin Mfg. Co.
 Strom, C. A., Mgr., Am. Loco. Co.
 Wilder, S. W., Supt., Dolphin Jute Mills.

Penns Grove.—Hannum, J. P., Mech. Asst. Supt., E. I. du Pont de Nemours & Co.

Topping, Howell, Asst. Engr. Engrg. Dept., E. I. du Pont de Nemours & Co.

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Balz, G. A., V. P., Mgr., Didler-March Co.
 Carroll, A. W., Genl. Foreman Operating Depts., Raritan Copper Wks.
 Fales, G. L., Ch. Engr., Raritan Copper Wks.
 Flood, H., Jr., M. E., Am. Smelting & Refining Co.
 Hagerty, W. W. (Jr.), Roessler & Hasslacher Chem. Co.
 Hess, A. McD., Ch. Engr., Hermon & Hermon.
 Kossif, N. (Jr.), Mech. Engr., Roessler & Hasslacher Chem. Co.
 Malone, J. G. (Jr.), M. E., Roessler & Hasslacher Chem. Co.
 Moore, L. A., Ch. Engr., Roessler & Hasslacher Chem. Co.

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Cowell, W. A., Designing Engr., Ingersoll-Rand Co.
 McIntyre, J. K., Testing Engr., A. S. Cameron Steam Pump Wks.
 Prellwitz, W., Ch. Engr., Ingersoll-Rand Co.

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 Redfield, S. B., Engr. of Tests, Ingersoll-Rand Co.
 Smith, P. C., Supt. Fdy., Ingersoll-Rand Co.

Plainfield.—Ayer, L. S., Supt., Internatl. Motor Co.

Barnaby, R. S. (Jr.), Asst. Ch. Engr., Stand. Aero Corp'n. of N. Y.
 Blood, H. L. (Jr.), Asst. Engr. Dept., Niles-Bement-Pond Co.
 Dawley, C. A., Cons. Engr., New Jersey Meter Co.
 Greenleaf, G. E., Ch. Engr., Niles-Bement-Pond Co.
 Hibbard, H. D., Cons. Engr., 114 E. 7th St.
 Hollingsworth, S., M. E., 171 E. Front St.
 Hood, R. H., Ret. Contr., 541 Stelle Ave.
 MacMurray, J. T., Genl. Mgr., Niles-Bement-Pond Co.
 Randolph, F. DeW., Ch. Draftsman, Potter Ptg. Press Co.
 Rausch, R. H. (Jr.), Engr., Niles-Bement-Pond Co.
 Scribner, C. W., M. E., Park Ave.
 Sidney, P., 504 Belvidere Ave.
 Spicer, C. W., V. P., Ch. Engr., Spicer Mfg. Corp.
 Talbot, C., Wks. Mgr., Stand. Aero Corp'n. of N. J.
 Walsh, W. V. (Jr.), Draftsman, Estimator, Henry Hope & Sons;
 Insp'r. Airplanes and Airplane Engines, Aviation Sect., Signal
 Corps, U. S. A., Standard Aero Corp'n.
 Wilson, A. B., Local Commer. Mgr., N. Y. Tel. Co.

Princeton.—Dirks, H. B., Asst. Prof. C. E., Princeton Univ.

Wilson, F. N., Prof. Descriptive Geometry and Tech. Drawing, Princeton Univ.
 Willson, H. M., 114 Broadmead.

Rahway.—Breckenridge, C. E., Ch. Engr., Merck & Co.

Hargrave, R. W., Production Engr., Regina Co.
 Jackson, W. W., Supt., Regina Co.; Prop., Walter W. Jackson.
 Langlotz, R., M. M., Merck & Co.
 Zeller, R. (Jr.), Works Mgr., Egyptian Lacquer Mfg. Co.

Red Bank.—Wainright, A. V., Engr. Pub. Utility Div., National City Co.**Ridgewood.**—Hofmeyer, G. A., Inventor, Dept. Store Expt.**Riverside.**—Simpson, R. H., Ch. Draftsman, Keystone Watchcase Co.,
Ch. Draftsman, Riverside Metal Co.**Rockaway.**—Grover, A. H. (Jr.), P. O. Box 188.**Roselle.**—Higgins, C. P., 127 E. 5th Ave.

Mehl, W. B., Pres., Genl. Mgr., Mehl Mch. Tool & Die Co.
 Monte, R. A., Cons. and Designing Engr., 127 W. Westfield Ave.
 Moore, A. B., V. P. and Treas., Shedd Elec. Co., Inc.
 Moore, M. F., 320 Chestnut St.
 Vreeland, E. L., Supt., Mehl Mch. Tool & Die Co.

Scotch Plains.—Morgan, L. H., Mountain Ave.**Short Hills.**—Blusse, H. B., Ret.**Silver Lake.**—Miller, J. V., Mgr., Edison Chem. Wks.

Ross, J. M. (Jr.), M. E., Carbollic Acid Div., Thos. A. Edison, Inc.

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Stewartsville.—Goldthwaite, H. W., Ch. Engr., Edison Portland Cement Co.

Summit.—Burling, Herbert S., 2nd Lieut., 313th Field Art., Camp Lee, Va.

Trenton.—Benson, S. W., Field Engr., Am. Steel & Wire Co.

Brunner, H., M. E., Essex Rubber Co., Inc.

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Crissey, C. P., De Laval Steam Turbine Co.

Green, T. W., M. E., 118 Hoffman Ave.

Gulliver, A. E., Cr. Engr., Trenton & Mercer County Traction Corp'n.

Hewitt, W., Estimating Engr., Am. Steel & Wire Co.

Hoyt, A. J. (Jr.), Foreman in charge Patenting and Testing Depts., Am. Steel & Wire Co.

Hunt, H. S. (Jr.), John A. Roebling's Sons Co.

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McDonald, A., Production Supvr., Essex Rubber Co., Inc.

MacCart, R. D. (Jr.), Draftsman, Designer, Am. Steel & Wire Co.

Morrison, M. P., Head Draftsman, Am. Steel & Wire Co.

Oakley, C. H., Pres., Genl. Mgr., Essex Rubber Co.

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Watson, H. L. (Jr.), Sales Mgr., De Laval Steam Turbine Co.

Upper Montclair.—Welford, P. G. (Jr.), Gunner, Canadian Field Artillery, and 16 Bernside St.

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Moldenke, Dr. R., Cons. Metallurgist.

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Miller, E. E., Asst. Supt. of Power Plants, Hackensack Water Co.

West Hoboken.—MacEwan, T. S., Departmental Sales Head, S. K. F. Ball Bearing Co.

Wade, A. D. (Jr.), Efficiency Engr., Schwarzenbach-Huber Co.

West Orange.—Edison, T. A., Inventor.

Hutchison, M. R., Engrg. Advisor to Thos. A. Edison, Edison Affiliated Interests.

Westfield.—Osborne, R. E., 939 Grandview Ave.

NEW MEXICO

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Huning, A. E. (Jr.), Prop., Arno Huning Elec. Co.

NEW MEXICO (Continued)

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Sante Fe.—Charles, La Vern J., Asst. State Highway Engr.

State College.—Barnes, A. F., Dean Engrg., New Mex. State College.

Tyrone.—Hartley, G. T., Efficiency Engr., Phelps Dodge Corp., Burro Mt. Branch.

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Burnett, R. W., Master Car Builder, Del. & Hudson Co.

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Cox, J. W., Jr., Supt., Albany Felt Co.

Kelley, F. W., Pres., Helderberg Cement Co.

Leonard, C. F., Engr., Second Dist., Pub. Serv. Com.

McGrew, J. A., Major, U. S. R., 542 Madison Ave.

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Mills, H. H. (Jr.), Contr. Engr., Automatic Sprinkler Co. of Am.

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Quinnlvan, O. M. E., U. S. Engr. Corps.

Simmons, H. M. (Jr.), 2nd Lieut. Engineers, Officers' Reserve Corps, 6th Division Engineer Train.

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Ballin, A. E., Pres., McIntosh & Seymour Corp.

Cooke, H., M. E., McIntosh & Seymour Corp.

Farrar, J. G., Ch. Draftsman, McIntosh & Seymour Corp.

Henry, W. M. (Jr.), Wks. Mgr., Henry & Allen.

McIntosh, J. E.

Morrison, W. B., Asst. Genl. Mgr., McIntosh & Seymour Corp.

Seymour, J. A., V. P., Ch. Engr., McIntosh & Seymour Corp.

Wilson, J. H., R. F. D. 4.

Baldwinsville.—Hopkins, P. A. (Jr.), Engr., Penn Spring Wks.

Lager, C. A. (Jr.), Supt., Morris Mch. Wks.

Ballston Lake.—Nettleton, W. A., Ret.

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 Leistner, A. (Jr.), Elec. Inspr., Underwriters' Asso'n of N. Y.
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Bronxville.—Kirby, F. E., Engr., West End Apts.
 Neefus, H. V. H.

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 Adams, J. F., Production Foreman, Anchor Cap & Closure Corp.,
 Pearl & Prospect Sts.
 Adler, A. A., Asst. Prof. Mech. Drawing and Design, Poly. Inst. of
 Brooklyn.
 Aiken, C. W., Secy., Treas., Houchin-Aiken Co.
 Allen, J. B., Engr., Kirkman's Sons.
 Anderson, A. F., Instr. Shop Wk., Schs. City of N. Y.
 Austin, R. S. (Jr.), 322 E. 19th St.
 Birch, G. B., Cameron Mch. Co.
 Bisbee, D. A., Genl. Foreman, The Duplex Eng. Governor Co.
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 Boenig, R. W., Secy., Engr., Domestic Chem. Co.
 Booraem, J. V. V., M. E., Chemist, ret., 204 Lincoln Pl.
 Brandt, H. A. (Jr.), 338 Pacific St.
 Browne, T. A., Employment Supvr., Sperry Gyroscope Co.
 Buell, M. L. (Jr.), Robt. W. Hunt & Co.
 Bunker, R. U. (Jr.), Partner, Robt. Sayre Kent, Inc.
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 Brooklyn Navy Yard.
 Chapin, H. A. (Jr.), Draughtsman, Sperry Gyroscope Co.
 Cocks, F. L., Efficiency Engr., Rockwood & Co.
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 Conard, Frederick U., 361 Washington Ave.
 Conner, B. F., Jr. (Jr.), 106 Barbey St.
 Correa, W. H. (Jr.), Asst. Supt., Stand. Oil Co. of N. Y.
 Covell, H. N., Wks. Mgr., Lidgerwood Mfg. Co.
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 Fell, H. P., Genl. Supt., Kings County Lighting Co.
 Fenn, R. H., Engr., Pur. Agt., Kent Mill Co.

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 Field, Crosby, 1st Lieut., Ord. Dept., U. S. R.
 Fisher, W. C., Engr., Griscom-Russel Co.
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 Fogarty, M. J., Mgr. and Prop., Mch. Shop., 38-40 Harrison St.
 Foster, R. J. (Jr.), M. E., Eberhard Pencil Co.
 Frommeyer, R. E., Pres., Schaeffer & Budenberg Mfg. Co.
 Gabriel, C. R., Cons. and Designing Engr., E. W. Bliss Co.
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 Rapid Transit System.
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Barger, L. W., Ch. Draftsman, T. H. Symington Co.

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Riggs, F. S. (Jr.), Planning Dept., Goodyear Tire & Rubber Co.

Roberts, E. P., Efficiency Engr., Philadelphia Rubber Wks. Co.

Robinson, M. B., Prof. M. E., Univ. of Akron.

Sanderson, O. W. (Jr.), Dir., B. F. Goodrich Co.

Shaw, E. C., V. P., B. F. Goodrich Co.

Shelton, W. A. (Jr.), Ch. Draftsman, Williams Fdy. & Mch. Co.

Somerville, W. A. S., M. E., Quaker Oats Co.

Thomas, S. (Jr.), Combustion Engr., Goodyear Tire & Rubber Co.

Alliance.—Bowerman, M. R., Checker, Alliance Mch. Co.

Penrod, E. B. (Jr.), Prof. Physics, Mt. Union College.

Roudebush, R. E., Engrg. Dept., Alliance Mch. Co.

Taylor, C. L., Ch. Engr., Morgan Engrg. Co.

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Barberton.—Corey, F. B., Engr., Pittsburgh Valve & Fittings Co.
 Gardner, T. (Jr.), Stirling Drum Dept., Babcock & Wilcox Co.
 Kehoe, B. T., Genl. Foreman Stirling Drum Dept., Babcock & Wilcox Co.
 Langvand, I. L., Ch. Draftsman, Babcock & Wilcox Co.
 Rhys, C. O., Diamond Match Co.
 Rice, M. W. (Jr.), Columbia Chem. Co.
 Roger, J. P., Plant Engr., Babcock & Wilcox Co.
 Ruddy, W. (Jr.), 112 Etling Ave.
 Sadler, C. R., Asst. Supt., Babcock & Wilcox Co.

Bedford.—Keefe, Thos. E., Salesman, Franklin Oil & Gas Co.

Brilliant.—McCune, J. C. (Jr.), 1st Lieut. Corps of Engr., U. S. R.

Bucyrus.—Brown, D., Supt. Engrg. Dept., Am. Clay Mch. Co.
 Shaffer, L. S. (Jr.), Asst. Ch. Engr., Ohio Loco. Crane Co.

Canton.—Adams, E. E., Bonnot Co.

Balough, C., Secy. and Treas. and Ch. Engr., Hercules Motor Mfg. Co.
 Buckwalter, T. V., Ch. Engr., Timken Roller Bearing Co.
 Corey, V. S., Supt., Hampden Watch Co.
 Harris, W. A., Mgr. Roll & Mch. Wks., Am. Sheet & Tin Plate Co.
 Lothrop, M. T., Timken Roller Bearing Co.
 MacGregor, W., Genl. Mgr. Plant 4, Timken Detroit Axle Co.
 Maytham, W. J., Cons. Engr., 2123 Cleveland Ave., N. W.

Chardon.—Mitchell, W. C., Engr.

Chillicothe.—Fisher, R. R. (Jr.), Lieut. 308th Engrs., Co. C, Ft. Sherman.

Hirsch, G., Major, Signal Corps U. S. R., 308th Field Signal Battalion Camp Sherman.
 Jellum, K. (Jr.), 2nd Lieut., 308th Engr. Training Camp, Camp Sherman.
 Kneass, S., Jr. (Jr.), Serg. Co. M, 332 Inf., Camp Sherman.
 Magee, C. (Jr.), Co. M, 332 Inf., Camp Sherman.

Cincinnati.—Allison, D. K., Ch. Draftsman, Mch. Designer, J. H. Day Co.

Alsfelder, F. P. (Jr.), Draftsman, Lunkenheimer Co.
 Anderson, C. H., Supt., Pumping Dept., Cincinnati Water Wks.
 Arff, G. H., Power Supt., Christian Moerlein Brewing Co.
 Atkinson, G. K., Supt., Cincinnati Planer Co., Oakley.
 Aull, J. J., M. E., Lunkenheimer Co.
 Baker, A. J., Engr., Cincinnati Milling Mch. Co.
 Baldwin, B. L., M. E., E. E., 2nd Natl. Bank Bldg.
 Binns, G. W., M. E., Cincinnati Milling Mch. Co.
 Blackford, R. E. (Jr.), Ch. Tool Designer, Lodge & Shipley.
 Blood, L. H., 5300 Hamilton Ave.
 Bodenstein, W. E. (Jr.), M. E. Stegner & Hughes.
 Breeze, A. B., V. P., Cincinnati Ball Crank Co., Oakley.
 Brockman, B. N. (Jr.), Spec. Rep., R. K. LeBlond Mch. Tool Co.
 Chace, E. M., Industrial Engr., 818 Union Central Bldg.
 Chalkley, C. R. (Jr.), Engrg. Dept., Am. Tool Wks. Co.
 Cockburn, F. B., Ch. Engr., Lodge & Shipley Mch. Tool Co.
 Cragg, W. S. (Jr.), 8364 Curzon Ave.

OHIO, Cincinnati (Continued)

- Crane, H. I., Industrial Engr., E. M. Chace, 818 Union Central Bldg.
- Curtis, E. H., Jr. (Jr.), Nivison Werskopf Co.
- Diserens, P., Engr. of Tests, Worthington Pump & Mch. Corp., Laidlaw Wks.
- Doan, J. B., Pres., Genl. Mgr., Am. Tool Wks. Co.
- Dourson, L. A.
- Dreses, H., Prop., Mgr., Dreses Mch. Tool Co.
- Du Brul, E. F., Pres., Pyro Clay Products Co.
- Dye, Ira, Night Supt., The Weir Frog Co., Cincinnati, O.
- Egan, T. P., Pres., J. A. Fay & Egan Co.
- Einstein, S., Ch. Designer, Cincinnati Milling Mch. Co.
- Elliott, T., Ch. Engr., 1312 Traction Bldg.
- Faig, J. T., Prof. M. E., Univ. of Cincinnati.
- Feldbush, H. A. (Jr.), Testing Engr., Laidlaw Wks., Worthington Pump & Mch. Corp'n.
- Flohr, R. C. (Jr.), Engrg. Dept., Am. Tool Wks. Co.
- Fosdick, W. P., Asso. with Walter G. Franz, 1703 Union Trust Bldg.
- Fox, C. H., Pres., Ahrens-Fox Fire Eng. Co.
- Franz, W. G., Cons. Engr., Union Trust Bldg.
- Galbraith, G. W., Dist. Sales Mgr., Worthington Pump & Mch. Corp. Co.
- GeBauer, C. H. (Jr.), Turbine Constr. Foreman, Genl. Elec. Co.
- Geler, F. A., Pres., Cincinnati Milling Mch. Co., Oakley.
- Geoghegan, J. T., M. E., South. R. R., East R. R.
- Gilliam, T. B., Engr. of Tests, Island Creek Coal Sales Co.
- Gingrich, C. S. (Jr.), Cincinnati Milling Mch. Co.
- Goldsmith, N. O., Genl. Mgr., Weir Frog Co.
- Goodman, W., Mgr. Laidlaw Plant, Worthington Pump & Mch. Corp'n.
- Groene, W. F., Ch. Draftsman, Designer, R. K. LeBlond Mch. Tool Co.
- Guest, W. E. (Jr.), Production Supt., Am. Tool Wks. Co.
- Hall, A. G., Mech. Dir. City of Cincinnati Genl. Hospital.
- Hazelton, R. T., Supt., Ch. Engr., Cincinnati Milling Mch. Co.
- Heekin, D. M., Supt., Heekin Can Co.
- Hehemann, F. H. (Jr.), Ch. Draftsman, Lunkenheimer Co.
- Hobart, J. C., Pres., Genl. Mgr., Triumph Elec. & Ice Mch. Co., Oakley.
- Houston, H. M., Secy., Treas., Houston Stanwood & Gamble Co.
- Illingworth, G. C., Sales Engr., Murphy Iron Wks.
- Jann, V., Turbine Engr., Genl. Elec. Co.
- Jenkins, A. L., Assoc. Prof. M. E., Univ. of Cincinnati.
- Jupp, A. J. (Jr.), Sales Dir., Lunkenheimer Co.
- Kelley, A. N., Supt., Modern Fdy. Co., Oakley.
- Kelly, T. C., Cons. Engr., 405 Second Natl. Bank Bldg.
- Klausmeyer, D. C., Asst. to Genl. Mgr., Cincinnati Bickford Tool Co., Oakley.
- Klein, C. T. (Jr.), Supt., Ohio Blower Co.
- Lane, H. M., Pres., Lane & Bodley Co.
- Langen, G., Wks. Mgr., Cincinnati Planer Co., Oakley.
- Lawson, F., Pres., F. H. Lawson Co.
- LeBlond, J. A., V. P., Supt., R. K. LeBlond Mch. Tool Co.
- LeBlond, R. K., Pres., R. K. LeBlond Mch. Tool Co.
- Leeper, R. W. (Jr.), Genl. Elec. Co.
- Lehman, E. H. (Jr.), Mech. Draftsman, Lunkenheimer Co.
- Luehrmann, H. (Jr.), Sales Engr., Babcock & Wilcox Co.
- Luhn, C. W. (Jr.), V. P., Engr., The Jos. Honhorst Co.

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- Lyon, J. D., Cons. Engr., 2216 Union Central Bldg.
 Martin, E. C., M. E., Emery Candle Co., Ivorydale.
 Marx, H., Pres., G. A. Gray Co.
 Mehle, J. H., Mgr., Cincinnati Screw Co., Twilighttee.
 Meier, C., Sales Mgr., Engr., Cincinnati Planer Co. Oakley.
 Mittendorf, W., Ch. Engr., Cincinnati Traction Co.
 Morris, T. B. (Jr.), Lieut. O. R. E. C., E. K. Morris & Co.
 Morrison, W. (Jr.), Highland Body Mfg. Co.
 Mueller, H., Mgr., Laidlaw Sales, Worthington Pump & Mch. Corp'n.
 Mueller, O. W., Pres., Mueller Mch. Tool Co.
 Muller, E. A., V. P., Genl. Mgr. King Mch. Tool Co.
 Muncy, V. E., Prof. Mech. and Applied Elec., Sch. of Mech. and Elec.
 Ohio Mechanics Inst.
 Myers, C. C. (Jr.), Prof. Industrial Engrg., Univ. of Cincinnati.
 Nells, J. J., Sales Engr., Babcock & Wilcox Co.
 Nenninger, L. F. (Jr.), Ch. Draftsman, Cincinnati Milling Mch. Co.,
 Oakley.
 Norris, H. M., M. E., Cincinnati Bickford Tool Co.
 Oster, E. A. (Jr.), Engr., Ault & Wiborg Co.
 Pearson, J. R., V. P., Wks. Mgr., Acme Mch. Tool Co.
 Peaslee, W., Production Engr., Cincinnati Milling Mch. Co., Oakley.
 Pierle, H. C., Engr., R. K. LeBlond Mch. Tool Co.
 Pletz, A. C., Genl. Mgr., Morris Mch. Tool Co.
 Pollak, J. A., Secy., Pollak Steel Co.
 Pollard, S. G., Cons. Hyd. and Sanitary Engrg., 3422 Burch Ave.
 Price, J. B., Sales Engr., Mech. Appliance Co., of Milwaukee, Wis.
 Pugh, A. H., Jr., Pres., A. H. Pugh Printing Co.
 Ransohoff, N. (Jr.), Genl. Supt., Ideal Concrete Mch. Co.
 Ritter, E. R. (Jr.), Asst. Supt., Lunkenheimer Co.
 Richter, E., Engr., G. A. Gray Co.
 Riesner, M., Ch. Engr., Laidlaw-Dunn-Gordon Co.
 Ritter, H., Supt., Lunkenheimer Co.
 Robinson, C. G., Pres., Engr., Ohio Mold & Fdy. Co., Bond Hill.
 Robinson, L. G., Louis G. Robinson Lab.
 Royer, E. B., M. E., Walter G. Franz, Cons. Engr., 1703 Union Trust
 Bldg.
 Schwenker, R. F. (Jr.), Managing Editor, Gas Engine Magazine.
 Shafer, W. H., M. E., Cincinnati Bickford Tool Co., Oakley.
 Shipley, M., V. P., The Sechler & Co., 538-550 E. Fifth St.
 Soller, W. (Jr.), Fellow in M. E., Dept. of Mech. Engrg., Univ. of
 Cincinnati.
 Spear, W. A., Test Engr., Cincinnati Milling Co.
 Springer, J. J. (Jr.), Asst. Mgr., Crane Co.
 Stanwood, J. B., Engr., V. P., Houston, Stanwood & Gamble Co.
 Stevens, W. N., Mch. Tool Design, Cincinnati Milling Mch. Co.
 Stone, E. H. (Jr.), Purchasing Dept., The Lunkenheimer Co.
 Strauss, W. O., Adv. Mgr., Engr., R. K. LeBlond Mch. Tool Co.
 Swift, H., Ch. Engr., Cincinnati Ball Crank Co., Oakley.
 Tangeman, W. W. (Jr.), Lieut., Sales Engr., Cincinnati Milling Mach.
 Co.
 Taylor, R. M. (Jr.), Wks. Engr., Am. Tool Wks. Co.
 Thayer, A. A., Secy., Treas., Oakley Mch. Tool Co., Oakley.
 Thompson, H. P., Sales Engr., Harrison Safety Boiler Wks.
 Van Winkle, H. H. (Jr.), Ch. Engr., John H. McGowan Co.
 Vockell, W. H. (Jr.), In Charge Tool Designing Dept., Cincinnati
 Milling Mch. Co., Oakley.
 Walker, E. C., Industrial Engr., Hess Spring & Axle Co.

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Sargent & Lundy
Ward, H. A., Engr. of Plants, Am. Oak Leather Co.
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Wesche, B. A., B. A. Wesche Elec. Co.
Williams, B. (Jr.), Grad. Fellow of M. E., Univ. of Cincinnati.
Wilson, L. G., Cons. Engr., Edwards Mfg. Co.
Wood, C. E. (Jr.), Instr. in Metallurgy, Univ. of Cincinnati.
Wood, H. M., Sechler & Co.

Cleveland.—Allen, A. M., Cons. Engr. Albert M. Allen & Co.

Anderson, H. W., Gen. Sales Mgr., Templar Motors Corp'n.
Annis, L. F., Supt. Constr., Austin Co.
Arnold, G., Jr., M. E., Cleveland Frog & Crossing Co.
Arnold, J. A., Safety Inspec., Natl. Workmen's Compensation Serv.
Bureau.
Bailliere, M. V., M. E., N. Y. C. R. R. Co.
Baker, R. E., Secy., Treas., Arthur G. McKee & Co.
Balkwill, S., Pres., The Balkwill Maganese Crossing Co.
Ballard, F. W., Sr., Mem. of Firm, F. W. Ballard & Co.
Banch, L. B., Designing Engr., Corrigan, McKinney & Co.
Barany, E. (Jr.), M. E., Exec., Cleveland Twist Drill Co.
Barnes, F. A., M. E., Geo. S. Rider & Co.
Bartol, G., Pres., Otis Steel Co.
Bates, A. H., Pat. Lawyer, 1028 Society for Savings Bldg.
Baxter, B. M., M. E. with H. B. Prather, Cons. Engrs., 662 Rockefeller
Bldg.
Beach, H. K. (Jr.), Mech. Supt., Cleveland Brass & Copper Rolling
Mills, Inc.
Bechtel, A. L. (Jr.), Wks. Mgr., Cleveland Punch & Shear Wks. Co.
Benedict, H. G., Wks. Mgr., Glenn L. Martin Co.
Bever, J. J., Mgr., Fdy. Dept., Otis Steel Co.
Bidle, W. S., Pres., Treas., W. S. Bidle Co.
Blundell, E. E., Factory Mgr., The Cleveland Automatic Mch. Co.
Bower, R. S., Asst. in Open Hearth, Steel Dept., River Furnace Co.
Brennan, J. T., Asst. County Engr. Cuyahoga Co.
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Brown, A. C. (Jr.), V. P., Genl. Mgr., Brown Hoisting Mchy. Co.
Brown, W., Ch. Engr., Upson Nut Co.
Brown, W. H., Pres., Brown Spring Oiler Co.
Browning, E. H., V. P., Secy., Mch. Products Co.
Browning, V. R., Victor R. Browning & Co.
Brush, C. F., E. E., Ret., 481 The Arcade.
Carman, E. S., Secy., Ch. Engr., Osborn Mfg. Co.
Carson, W. R., Engr., Grasselli Chem. Co.
Case, G. S., Factory Mgr., Lamson & Sessions Co.
Chace, W. W., M. E., Cleveland Twist Drill Co.
Chadwick, L. S., Asst. Genl. Mgr. & Ch. Engr., Cleveland Metal
Products Co.
Champ, J. H., Pres., Iceless Mch. Co., Treas., Bishop-Babcock-Becker
Co.
Cheney, W. L., Sales Mgr., Lucas Mch. Tool Co.
Clapp, R. B. (Jr.), Dist. Mgr., Andrews-Bradshaw Co.
Clark, H. B., Engr. Operation and Maintenance, Natl. Carbon Co.
Clegg, R. I., Editor, V. P., Gardner Ptg. Co.
Collister, G. F., Sales Engr., Betz Pierce Co.
Connelly, L. E., V. P., D. Connelly Boiler Co.

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- Connelly, W. C., Pres., D. Connelly Boiler Co.
 Cook, T. R., Ch. Engr., Willard Storage Battery Co.
 Cookson, T. J., Designing Engr., Ohio Blower Co.
 Cox, J. D., Pres., Cleveland Twist Drill Co.
 Cromwell, J. C., Engr., Cromwell Steel Co.
 Danforth, R. H., Case Sch. of Applied Science.
 Day, C. H., Engr., Grasselli Chem. Co.
 Dean, A. M., V. P. & Ch. Engr., Templar Motors Corp.
 Decker, G. A., Wks. Engr., Warner & Swassey Co.
 Dornbierer, J. G., Genl. Mgr., Cleveland Planer Wks.
 Dunbar, J. H., Ch. Engr., Grasselli Chem. Co.
 Eickhoff, T. H., 310 Meriam Bldg.
 Einig, A. B. (Jr.), Salesman, Motch & Merryweather Mch. Co.
 Estep, H. C. (Jr.), Editorial Dir., Penton Publishing Co.
 Feiss, R. A., Genl. Mgr., Joseph & Feiss Co.
 Ferguson, R., Mgr., Grant-Lees Gear Co.
 Fitzpatrick, C. J., V. P., Cleveland Worm Gear Co.
 Flippen, J. P., Dist. Mgr. in West. Pa., Ohio, West Va., C. H. Wheeler Mfg. Co.
 Foote, A. W., Foote-Burt Co.
 Fuller, B. D., Supt. of Foundries, Westinghouse Elec. & Mfg. Co.
 Gaehr, D., Designing and Contr. Engr., 950-952 Rockefeller Bldg.
 Gammeter, H. C., Mech. Expt., Am. Multigraph Co.
 Ganschow, L. W. (Jr.), Electrolysis Engr., West. Union Telegraph Co.
 Gibson, C. D., V. P., Simplex Mch. Tool Co.
 Giele, H. F., Fdy. Supt., Grabler Mfg. Co.
 Girl, C., Pres., Stand. Parts Co.
 Green, H. L. (Jr.), Res. Mgr. Cleveland Office, Scovell, Wellington & Co.
 Green, J. B., Production Supt., Lucas Mch. Tool Co.
 Griess, J., Jr., Second V. P., McMyler Interstate Co., Second V. P. Inland Ord. Co., Bedford.
 Hadlow, H. R., M. E., Watson Engrg. Co.
 Hale, H. C., Pres., Treas., Hale-Stephan Co.
 Harrison, H. T., Ch. Engr., Corrigan, McKinney & Co.
 Hassan, R. D., 10515 Wilbur Ave., S. E.
 Henn, E. C., V. P., Genl. Supt., Natl. Acme Co.
 Herr, D. D., V. P., Arthur G. McKee & Co.
 Herron, J. H., Metallurgical, Chem., Testing, Inspecting Engr., 2041 E. 3d St.
 Hill, H. H., M. E., Dist. Sales Mgr., Erie City Iron Wks.
 Hilmer, O. E., Engr., Walter G. Franz, 1703 Union Trust Bldg.
 Hodous, L. W. (Jr.), Constr. Supvr., Canfield Oil Co.
 Honsberg, A. A., M. E., 7202 Broadway.
 Howe, Dr. C. S., Pres., Case Sch. of Applied Science.
 Hulett, F. E., Engr., Wellman-Seaver-Morgan Co.
 Hulett, G. H., Ret., 8724 Carnegie Ave.
 Jehle, F. (Jr.), Serv. Engr., Aluminum Castings Co.
 Jessop, F. W., Wks. Mgr., Elec. Controller & Mfg. Co.
 Jonas, M. R. (Jr.), Test Engr., Ry. Products Coke Wks., River Furnace Co.
 Jones, E. H.
 Keefe, T. E., N. Y. Rep., Franklin Oil & Gas Co., Bedford.
 Keller, J. M., M. E., Natl. Carbon Co.
 Kling, L. A., Supt., G. C. Kuhlman Car Co., Collingwood.
 Kranz, W. G., V. P., in charge Mfg. Natl. Malleable Castings Co.

OHIO, Cleveland (Continued)

- Larner, C. W., Hyd. Engr., Wellman-Seaver-Morgan Co.
 Lees, E. J., Pres., Lees-Bradner Co.
 Little, C. H., Mgr., Universal Drafting Mch. Co.
 Lucas, H. M., Lucas Mch. Tool Co.
 McAllister, J. E., Elec. Controller & Mfg. Co.
 McGeorge, J., Cons. Engr., 1053 Leader Bldg.
 McKee, A. G., Pres., Arthur G. McKee & Co.
 McNairy, A. B., Hickox Bldg.
 Matthews, J. G., Instr. Mech. Drawing, East Tech. High Sch.
 Mayer, L., Constr. Engr., Otis Elev. Co.
 Merryweather, G. E., Pres., Motch & Merryweather Mchy. Co.
 Mesker, L. H., Sales Mgr., Cleveland Milling Mch. Co.
 Miller, R. E., Mem. of Firm, Poland-Miller Co.
 Mitchell, C. N., Ch. Engr., Denneen Motor Co.
 Moeller, F., M. E., Power and Min. Dept., Wellman-Seaver-Morgan Co.
 Monroe, F. A., Jr., V. P., The Dyer Co.
 Moore, F. C., Cons. and Exec. Engr., 710 Engineers Bldg.
 Morningside, B. F. (Jr.), Engr. Main Power Sta., River Furnace Co.
 Morrison, H., Sales Mgr., Hill Clutch Co.
 Nailler, R. F., 1665 E. 86th St.
 Nelson, A. C., Engr., William B. Pollock Co. (Youngstown), 416 Rockefeller Bldg.
 Nesbit, E., Engr. Zinc Smelting Dept., Grasselli Chem. Co.
 Newsom, H. H., Stand. Parts Co.
 Nibecker, K., V. P., Imperial Type Metal Co.
 Nixon, B., Sales Engr., Niles Tool Wks. Co.
 Obrigg, A., Asst. Sales Mgr., Otis Elev. Co., 1373-83 E. 6th St.
 Oglebay, C., Pres., Ferro Mch. & Fdy. Co.
 Parkhurst, F. A., Organizing Engr., Aluminum Castings Co.
 Peck, E. C., Genl. Supt., Cleveland Twist Drill Co.
 Peratt, W. H. (Jr.), Draftsman, The Upson Nut Co.
 Phillips, V. B. (Jr.), Engrg. Asst. to Supt. of Power, Cleveland Ry. Co.
 Pitkin, S. H., V. P., Wellman Seaver Morgan Co.
 Plantinga, P. (Jr.), Pres., Gas Mchy. Co.
 Pope, C. E., 1908 E. 73d St.
 Prather, H. B., Cons. Engr., 662 Rockefeller Bldg.
 Quayle, L. A., Ch. M. E., Cleveland Water Dept.
 Randles, G. E., V. P., Foote-Burt Co.
 Rawson, W. B., Engr., Sandusky Cement Co.
 Robertson, E. C. (Jr.), Factory Mgr., Frantz Premier Co.
 Rockwell, W. F. (Jr.), Asst. Genl. Mgr., Factory Mgr., Torbensen Axle Co.
 Rodgers, H. P. (Jr.), Dist. Sales Mgr., Steam Equip. Mfg. Co.
 Ruble, J. S., Genl. Supt., Austin Co.
 Ruetenik, B. P. (Jr.), Power Engr., Cleveland Ill. Co.
 Rugg, D. M. (Jr.), Coke Oven Engr., Gas Mchy. Co.
 Rusbatch, A., Supt., Rod Mills Am. Steel & Wire Co.
 Schacha, A. L., Mech. Draftsman, The Upson Nut Co.
 Scott, F. A., V. P., Treas., Warner & Swasey Co.
 Sessions, F. L., Cons. Engr., Mech. and Elec. Expt., Rockefeller Bldg.
 Smead, W. H., Mgr. Heating and Equip. Dept., Austin Co.
 Smith, E., Dist. Mgr., Detroit Stoker Co.
 Smith, H. J., Wks. Mgr., Ch. Engr., Hill Clutch Co.

OHIO, Cleveland (Continued)

- Stratton, H. F. (Jr.), V. P., Ch. Engr., Elec. Controller & Mfg. Co.
 Stratton, J. H., Engr. Constr., Wellman-Seaver-Morgan Co.
 Stroud, E. G., Pres., Cleveland Engrg. Agency Co., Pres., E. G. Stroud Co.
 Swasey, A., Pres., Warner & Swasey Co.
 Taddiken, J. F., Jr. (Jr.), Ch. Engr., Dyer Co.
 Thlemer, W. H., M. M., Winton Co.
 Treadway, L. H., Pres., Peck, Stow & Wilcox Co.
 Treat, M. W. (Jr.), Hydraulic Pressed Steel Co.
 Vose, F. H., Prof. M. E., Case Sch. of Applied Science.
 Wardwell, F. W., Jr., Pres., The Wardwell Mfg. Co.
 Warner, W. R., V. P., Warner & Swasey Co.
 Washburn, J. E., Elec. Engr., Natl. Carbon Co.
 Weager, T. A. (Jr.), Engr., Mgr. Cleveland Office, Buffalo Forge Co.
 Wellman, S. T., 1878 E. 90th St.
 West, R. H., Pres., Genl. Mgr., West Steel Casting Co.
 Williams, T. B., Ch. Draftsman, Peters Mch. & Mfg. Co.
 Wilson, H. M., Dist. Agt., Pittsburgh Valve, Fdy. & Constr. Co.
 Winton, A., Pres., Winton Co.
 Wolff, J., M. E., Cleveland Elec. Ill. Co.
 Wood, R. T. (Jr.), Industrial Engr., Stand. Tool Co.
 Wood, S. V., Ch. Engr., Aluminum Castings Co.

Coldwater.—Rollman, B. B., Experimental Engr., New Idea Spreader Co.

Columbus.—Anderson, A. R. (Jr.), Battery F, 324th Regt., F. A. Camp Sherman, O.

- Andrix, E. R., Asst. Supt. Power, Columbus Ry. & Light Co.
 Armstrong, W. J. (Jr.), Mgr. Pulverizer and Crusher Dept., Jeffrey Mfg. Co.
 Arnold, H. F. W., Wks. Mgr., Winslow Glass Co.
 Atwell, N. S. (Jr.), Instr. U. S. Army Sch. of Military Aeronautics, Ohio State Univ.
 Babbitt, E. F., Engr., with F. L. Packard.
 Bailey, H. H., Resident Engr., E. W. Clark & Co. Management Corp'n.
 Banks, T. D. (Jr.), Supt. Div., Garbage and Refuse Disposal, City of Columbus.
 Biddison, P. McD., Constr. Engr., Ohio Fuel Supply Co.
 Bone, W. H., V. P., Genl. Mgr., Ironsides Co.
 Bonnet, F. H., Asst. M. E., Buckeye Steel Castings Co.
 Boyd, J. E., Prof. Mech., Ohio State Univ.
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 Cole, J. W., Dist. Mgr., William Sellers & Co.'s Tool and Drill Grinders, and Detroit Emery Wheel Co., P. O. Box 84.
 Craiglow, H. H. (Jr.), Asst. Supt., Buckeye Steel Castings Co.
 Dorsey, W. A., Engr. Metallurgist, Bonney Floyd Co.
 Dreyfus, E. D., Cons. Engr., 14 N. High St.
 Farrington, T. B., Asst. M. M. Indianapolis Div., Pa. Lines West of Pittsburgh.
 Fitz, E. M. (Jr.), E. E., M. P. Dept., Pa. Lines W. of Pittsburgh.
 Flowers, A. E., Prof. E. E., Ohio State Univ.
 Frankenberg, G. T., Genl. Contr., 723 Columbus Saving & Trust Bldg.
 French, T. E., Prof. Engrg. Drawing, Ohio State Univ.
 Glebel, R. L. (Jr.), 2d Lieut. Ord. U. S. R., Commercial Bldg.
 Gordon, B. B., Scale Inspr., Pa. Lines West of Pittsburgh.

OHIO, Columbus (Continued)

Griswold, H. L., V. P., O. G. Roberts Co.
 Haswell, W. E., Secy., Ohio Bd. of Administration.
 Hitchcock, E. A., Power Sales Engr., E. W. Clark & Co. Management Corp.
 Hopkins, M. S., 1106 Hayden Bldg.
 Johnson, G. T., M. E., Buckeye Steel Castings Co.
 Judd, H., Assoc. Prof. Exper. Engrg., Ohio State Univ.
 Kerr, T. H., Gas Engr., Ohio Fuel Supply Co.
 Knight, W. A., Assoc. Prof. Mch. Shop Practice, Ohio State Univ.
 McCracken, W. C., Supt. Bldgs. and Grounds, Ohio State Univ.
 McMeen, S. G., Pres., Various Pub. Utilities, Huntington Bank Bldg.
 Magruder, W. T., Prof. M. E., Ohio State Univ.
 Marquis, F. W., Prof. Steam Engrg., Ohio State Univ.
 Okey, P., Prop., Okey Mfg. Co.
 Phelps, P., Engr., Jeffrey Mfg. Co.
 Richards, A., Cons. Engr., Richards Engrg. Co.
 Riddle, H. S., Member Ohio Bd. of Administration.
 Sanborn, F. E., Prof. Industrial Arts, Ohio State Univ.
 Smith, R. B., M. P. Inspr., Pa. Lines West.
 Spec, W. C., Asst. Supt., Buckeye Steel Castings Co.
 Stinson, K. W. (Jr.), Instr. Aero Engines, Cadet Aviation School, Ohio State Univ.
 Stone, J. F., Pres., Seagrave Co.
 Svensen, C. L. (Jr.), Asst. Prof. Engrg. Drawing, Ohio State Univ.
 Wheelhouse, S. H., Mgr. Gas Furnace Dept., Columbus Htg. & Vent. Co.
 Wood, C. O., Spec. Agt., Home Ins. Co.
 Wyer, S. S., Cons. Engr., Harrison Bldg.
 Yardley, R. W. E., Engr., Richards, McCarty & Bulford.

Conneaut, Ashtabula Co.—Fickinger, P. J., Ch. Engr., P. & C. Dock Co.

Cuyahoga Falls.—Jenks, W. H., V. P., Treas., Genl. Mgr. Marathon Tire & Rubber Co.

Dayton.—Brussel, J. W., Supvr. of Machining, Dayton Engrg. Labs. Co.
 Buvinger, G. A., Engr. Exper. Div. No. 1, Dayton Metal Products Co.
 Canby, H. B., V. P., Crawford, McGregor & Canby Co.
 Carpenter, C. U., Wks. Mgr., Recording & Computing Mchs. Co.
 Chryst, W. A., Ch. Engr., Dayton Engrg. Labs. Co.
 Curtis, A. B., Jr. (Jr.), Supvr. Smoke Regulation.
 Deeds, E. A., P., Domestic Engrg. Co.
 Estabrook, H. M., Pres., Barney & Smith Car Co.
 Fassett, F. K., Pat. Atty., Engr., 1302-3 U. B. Bldg.
 Fogarty, W. J., M. E., Barney & Smith Car Co.
 Gibbons, M. J., Secy., Gibbons Supply Co.
 Hardman, F. J. (Jr.), Pat. Atty., Dayton Engrg. Lab. Co.
 Hopkinson, J., Supt., Computing Scale Co.
 Jones, I. E., Mgr., C. L. Best Gas Traction Co.
 Kerins, J. S. (Jr.), Constr. Engr., Dayton Power & Light Co.
 Kettering, C. F., V. P., Dayton Engrg. Labs. Co.
 Kimmel, A. W. (Jr.), M. E., The Dayton Engrg. Lab. Co.
 Kressler, O., Maintenance Engr., Dayton Engrg. Lab. Co., Domestic Bldg. Co.
 Leoni, A. M., Cons. M. E., Genl. Mgr., P. T. Wheel Co. of Amer.
 Malm, A. C. V., Pres., Genl. Mgr., Malm Mch. Co.
 Mitchell, M. A. (Jr.), M. E., Natl. Vacuum Mch. Co.

OHIO, Dayton (Continued)

Moore, C. C., Power and Maintenance Engr., Natl. Cash Register Co.
 Ohmer, J. F., Jr. (Jr.), First Lieut. Engr., U. S. R., U. S. A.
 Ripsch, C. W., Mech. Engr., American Railways Equipment Co.
 Rorabeck, C., Mgr., The W. P. Calahan Co.
 Rowe, D. R. (Jr.), Asst. Ch. Engr., Recording & Computing Mchs. Co.
 Strahlmann, O. E. (Jr.), First Lieut., McCook Field.
 Valle, J. H., Pres., Treas., Valle & Kimes.
 von Pein, E. J., Inventor, Designer, Natl. Cash Register Co.
 Walter, F. L., M. M., Dayton Engrg. Lab. Co.
 Wells, E. C., V. P., Genl. Mgr., Platt Iron Wks. Co.
 Weston, B. H., Cons. Engr., 402 Commercial Bldg.
 Wight, H. C., Supt. Div. of Water, City Dayton.
 Yates, R. L., Asst. Sales Mgr., Platt Iron Wks. Co.
 Zugelter, G. E. (Jr.), Tool Designer, Dayton Engrg. Labs. Co.

Delphos.—Burger, F. W., Supt. Delphos Mfg. Co.

East Cleveland.—Miller, W., M. E., Ret., 24 Rosemont Rd.
 Sague, S. R., Engr., The Strong Carlsile & Hammond Co.

East Norwood.—Dye, I. W., Night Supt., Weir Frog Co.

East Palestine.—Adamson, C. F. (Jr.), Prop., Adamson Mfg. Co.

East Sparta.—Cable, D. A., Genl. Supt., U. S. Roofing Tile Co.

East Toledo.—Molokle, S. W. (Jr.), Asst. Foreman of Constr., M. W. Kellogg Co.

Elyria.—Gray, W. E., V. P., Elyria Enameled Products Co.
 Martell, L. H., Pres., The Martell Packings Co.
 Piercy, E., 218 Washington Ave.

Garrettsville.—Root, V. A., Capt. Ord. O. R. C.

Hamilton.—Ayers, N. B., M. E., Champlon Coated Paper Co.
 Cowell, W. A. (Jr.), Engr., Hooven, Owens, Rentschler Co.
 Davis, J. F. (Jr.), Supt., Beckett Paper Co.
 Frechtling, A. G. (Jr.), 216 N. C St.
 Glaser, C. E. (Jr.), Estimator, Hooven, Owens, Rentschler Co.
 Helvey, C. H. (Jr.), Sales Engr., Black-Clawson Co.
 Hepke, G. A. (Jr.), Mgr. of Sales, Hooven, Owens, Rentschler Co.
 Kutter, H. L., Secy., Sales Mgr., Engr., Black-Clawson Co.
 Mayo, W. B., Secy., Genl. Mgr., Hooven, Owens, Rentschler Co.
 Merrill, E. R., Plant Engr., Niles Tool Wks. Co.
 Mitchell, G. C., Head of Production and Engrg. Depts., Hooven, Owens, Rentschler Co.
 Murphy, J. A., Fdy. Supt., Hooven, Owens, Rentschler Co.
 Nalon, T. M., Sugar Mill Engr., Hooven, Owens, Rentschler Co.
 Rentschler, G. S. (Jr.), V. P., Hamilton Fdy. & Mch. Co., Treas., Hooven, Owens, Rentschler Co.
 Robinson, K. (Jr.), Am. Can Co.
 See, J. W., M. E., Rentschler Bldg.
 Seybold, E. (Jr.), Niles Tool Wks. Co.
 Terriberry, G. G. (Jr.), Production Engr., Niles Tool Wks., Niles-Bement-Pond Co.
 Trowbridge, F. C. (Jr.), Pres., Genl. Mgr., Black-Clawson Co.

OHIO, Hamilton (Continued)

Ward, J. C., Jr. (Jr.), M. E., Niles-Bement-Pond Co., Niles Tool Wks. Co.

Wood, A., Ch. Mgr., Niles Tool Wks. Co.

Yingling, F. B., Secy., Treas., Ceramic Mchy. Co., Secy., Treas., Columbia Mch. Tool Co.

Hillsboro.—Shirley, L. E., Supt., C. S. Bell Co.

Ivorydale.—Anderson, R., Mech. Supt., Proctor & Gamble Co.

Manley, S. M., M. E., Proctor & Gamble Co.

Kent.—Smith, R. H., Treas., Genl. Mgr., Falls Rivet Co.

Lakewood.—Schacha, A. L. (Jr.), M. Draftsman, Lakewood Engrg. Co.

Lancaster.—Miller, F. L., 658 E. Chestnut St.

Lexington.—Hopkins, L. C., Ch. Engr., Smith Gas Engrg. Co.

Smith, H. F., Secy., Genl. Mgr., Smith Gas Engrg. Co.

Lima.—Barrett, D. O. (Jr.), Mech. Engr., Buckeye Mch. Co.

Buckley, J. F., Genl. Mgr., Buckley Spec. & Mch. Co.

Mosher, C. C., Genl. Mgr., East Iron & Mch. Co.; Genl. Mgr., Kathodion Bronze Wks., and Cons. Engr., Bergman & Coraker, New York, N. Y.

Wheatley, A. W., Pres., Lima Loco. Corp.

Woodard, W. E., V. P., Lima Loco. Corp.

Lorain.—Brown, E. W., Asst. Supt. Blast Furnaces, Natl. Tube Co.

Bullock, E. R., National Tube Co.

Cobb, C. C. (Jr.), Natl. Tube Co.

Farkell, G. C., Supt. Rolling Mills, Natl. Tube Co.

Lundgren, C. G., M. M., Natl. Tube Co.

Pinkney, D. H., M. E., Pipe Mill Dept., Natl. Tube Co.

Snyder, G. T., Ch. Engr., Lorain Wks., The National Tube Co.

Spatz, R. L. (Jr.), Erecting Engr., H. Koppers Co., care of Natl. Tube Co.

Waterman, F. W., Mgr., Gary Tube Co.

Wear, B. C. (Jr.), Estimator, Gary Tube Co.

Mt. Vernon.—Thomas, F. H. (Jr.), Sales Engr., C. & G. Cooper Co.

Mansfield.—Bancroft, G. A. (Jr.), Designer, Aultman & Taylor Mchy. Co.

Brown, J. R., E. E., Ohio Brass Co.

Brunger, H. L., Wks. Mgr., Aultman & Taylor Mchy. Co.

Elmendorf, H. H. (Jr.), Aultman & Taylor Mch. Co.

Olson, L. W., Factory Mgr., Ohio Brass Co.

Schaller, H. W. (Jr.), Designer, Aultman & Taylor Mchy. Co.

Thompson, C. F., Maintenance Engr., Aultman & Taylor Mchy. Co.

Williamson, R. A., Supv. of Mch. Shop, Aultman & Taylor Mchy. Co.

Marion.—Jacoby, B., M. E., Marion Steam Shovel Co.

King, C. B., V. P., Genl. Mgr., Marion Steam Shovel Co.

McNeil, M. C., Third V. P., Osgood Co.

Massillon.—Garrigues, E., Ch. Engr., Russell & Co.

Heggem, C. O., V. P., Russell & Co.

Townsend, A. J., V. P., Wks. Mgr., Natl. Pressed Steel Co.

OHIO (Continued)

Middletown.—Fulton, W. B., Supv. Engr., Colin Gardner Paper Co., Gardner Paper Board Co.

McCann, W. E., Railroad Sales Engr., Am. Rolling Mill Co.

Sharkey, W. E. (Jr.), Engrg. Dept., Am. Rolling Mill Co.

Wilson, J. H., Asst. to Genl. Supt., Am. Rolling Mill Co.

Milton.—Lundgren, F. G., Efficiency Engr., M. M. Mech. Dept., Am. Car & Fdy. Co.

Mingo Junction.—McGee, F. R., M. E. Mingo and Bellaire Wks., Carnegie Steel Co.

Norwood.—Hecker, H. A., 2032 Elm Ave.

Piqua.—Hartley, H. D. (Jr.), Pioneer Pole & Shaft Co.

Portsmouth.—Monahan, Wm. H. Jr., M. E., Mining Dept.

Short, S., Steam Engr., Whitaker-Glessner Steel Co.

Turley, C. L. (Jr.), Yard Supt., Whitaker-Glessner Steel Co.

York, L. D., Pres., Portsmouth St. R. R. & Light Co.

York, R. D., V. P., Genl. Mgr., The Portsmouth St. Ry. & Light Co.

Ravenna.—Beckwith, H. C., Secy., Treas., Genl. Mgr., John F. Byers Mch. Co.

St. Bernard.—Sticksel, C. P. (Jr.), 1st Lieut., Ord. Dept.; M. E., M. M., Globe Soap Co.

Salem.—Cooper, G. S., 20 Garfield Ave.

Emeny, F. J., Ch. Engr., Deming Co.

Hunt, C. B., M. E., Buckeye Eng. Co.

Sandusky.—Alchberger, C., M. E., Sandusky Fdy. & Mch. Co.

Brown, J. M., Supt., Sandusky Fdy. & Mch. Co.

Gallup, A. W. (Jr.), M. E., Hinde & Dauch Paper Co.

Millsbaugh, W. H., V. P., Sandusky Fdy. & Mch. Co.

Wellington, J. W., Pres., Matthew Engrg. Co.

South Euclid.—McKechnie, R. R., M. E.

Springfield.—Bauer, C. L., Pres., Bauer Bros. Co.

Bayley, W., Pres., Ch. Engr., Wm. Bayley Co.

Hoppes, J. J., Pres., Hoppes Mfg. Co., Trump Mfg. Co.

Kelly, O. W., Pres., O. S. Kelly Co.

Perks, G. W., Supt., Am. Seeding Mch. Co.

Rastall, W. H., Asst. Sales Mgr., Bauer Bros. Co.

Shouvin, P. J., Superior Gas Eng. Co.

Stewart, H. M. (Jr.), Serv. Dept., Kelly-Springfield Motor Truck Co.

Steubenville.—McConnell, M. F., Supt. Mingo Steel Wks. and Furnaces, Carnegie Steel Co.

Tiffin.—Findley, W. D., Ch. Engr., Webster Mfg. Co.

Schirmer, C. E. (Jr.), Ch. Draftsman, Asst. Ch. Engr., Schaffer Engrg. & Equip. Co.

Toledo.—Bergen, H. S., Asst. Supt., Toledo Scale Co.

Boblett, K. M., Production Expt., The Bulck Motor Co., and The Willys Overland Co., 626 Nessler St.

Calder, C. B., V. P., Genl. Mgr., Toledo Shipbuilding Co.

OHIO, Toledo (Continued)

Chamberlain, G. E., Managing Dir., Consolidated Mfgs. Corp'n.
 Chestnutt, R. C. (Jr.), Designer, Willys-Overland Co.
 Dodge, F. H., Treas., Milburn Wagon Co.
 Dorman, N. W. (Jr.), Mch. Designer, Toledo Mch. & Tool Co.
 Fortune, J. R., 3 Harold Arms, Scottwood Ave.
 Hallenbeck, G. E., M. E., Baker Bros.
 Hem, H. O., Cons. Engr., Toledo Scale Co.
 Hill, R. F. (Jr.), Ch. Draftsman, Natl. Supply Co.
 Lyon, G. R., V. P., Sales Engr., Power Equip. Co.
 Randall, J. A., Service Engr., Toledo Scale Co.
 Randolph, O. R. (Jr.), The Acme Power Co.
 Rathbun, E., Second V. P., Rathbun-Jones Engrg. Co.
 Rathbun, G. J., V. P., Ch. Engr., Rathbun-Jones Engrg. Co.
 Reese, O. P., Supt. M. P., Pa. Co.
 Russell, T. (Jr.), Operator By-Products Coke Plant, Toledo Fur-
 nace Co.
 Snell, L. K. (1914), Engr., Willys Overland Co., 150 Gladstone Ave.
 Stewart, A. M., Factory Mgr., Natl. Supply Co.
 Taber, M. N. (Jr.), Metallurgist, The Natl. Supply Co.
 Thomas, E. G., Experimental Engr., Toledo Scale Co.
 Waring, C. A., Engrg. Dept., Willys-Overland Co.
 Wine, W. E., Pres., The Wine Ry. Appliance Co.
 Wolfgang, W. H. (Jr.), Designer, Natl. Supply Co.
 Yaryan, H. T., V. P., Yaryan Naval Stores Co.

West Philadelphia.—Wahl, J. H. (Jr.), Lieut. U. S. N. R. F.

Wickliffe.—Robbins, C. C., Secy., Genl. Mgr., Cleveland Crane & Engrg. Co.

Willoughby.—Blanchard, C. M., Ch. Engr., Stand. Fuel Oil Eng. Co.

Wooster.—Talbot, H. H., Ch. Engr., Woodard Mch. Co.
 Woodard, L. A., Pres., Treas., The Woodard Machine Co.

Wyoming.—Vinnedge, E. W. (Jr.), 2nd Lieut., 309 Engrs., 34 Walnut Ave.

Youngstown.—Bixler, H. Z., Ch. Engr., Brier Hill Steel Co.
 Bray, T. J., Pres., Republic Iron & Steel Co.
 Cornwell, E. W. K. (Jr.), Insp. of Artillery Ammunition, O. D.,
 Inspection Div., U. S. Gov.
 Gowie, W., 157 Warren Ave.
 Grout, A. L. (Jr.), Y. M. C. A.
 Kahn, J., Pres., Trussed Concrete Steel Co.
 Kane, T. H., Wks. Mgr., Trussed Concrete Steel Co.
 Miller, F. M. (Jr.), Efficiency Engr. Coke Plant, Youngstown Sheet &
 Tube Co.
 Raysor, E. L. (Jr.), Elec. Foreman, Brier Hill Steel Co.
 Robinson, C. S., Second V. P., Youngstown Sheet & Tube Co.
 Stevens, R. P., Pres., Mahoning & Shenango Ry. & Light Co.; V. P.
 and Engrg. Mgr., Republic Ry. & Light Co., New York.
 Thomson, F. du P., Pres., Humphrey Pump Constr. Co., care of Wil-
 liam Tod Co.
 Young, J. P., Pres., Reinforced Tile Roof Co.

Zanesville.—Brown, L. K., V. P., Burton-Townsend Co., Secy., Treas.,
 Kenmont Coal Co., Secy., Interstate Sand Co.

OHIO, Zanesville (Continued)

McCoy, W. (Jr.), M. E., Am. Encaustic Tiling Co.
 Mark, P. C., Genl. Supt., Mark Mfg. Co.

OKLAHOMA

Bartlesville.—Baxter, W. C., M. E., Wichita Pipe Line Co., Wichita Gas Co., Quapaw Gas Co.

Fisher, F. P., Asst. Genl. Mgr., Wichita Pipe Line Co. & Associated Interests.

Fisher, J. P., Ch. Engr., Henry L. Doherty & Co.

Hackstaff, J. D., Genl. Mgr., Empire Pipeline Co.

Hickstein, E. O. (Jr.), Research Dept., Empire Gas & Fuel Co.

Miles, D. S. (Jr.), Draftsman, Empire Refining Co.

Williams, W. G., Engr. Steam Power Div., Empire Cos., M. E., Henry L. Doherty & Co.

Checotah.—Hale, R. M., Ch. Engr., J. B. Kirk Gas & Smelting Co.

Dewey.—Fowden, W., Supt., Dewey Portland Cement Co.

Drumwright.—Ballard, A. M. (Jr.), Genl. Mgr., Rowland Gasoline Co.

Weidner, P. G., Asst. Supt. of Gasoline Plants, Stand. Oil Co. of Indiana.

Fort Sill.—Lyman, E. R., Capt. Ord. Dept., U. S. R., Camp Doniphan.

Parkhurst, HarleIGH, Maj., F. A., U. S. R., 14th Field Artillery.

Thomas, J. M. (Jr.), 1st Lieut., O. O. R. C., Head of Aerial Gunnery Dept. School for Aerial Observers, 825 N. 6th St.

Hugo.—Karcher, H. E. (Jr.), Plant Supt., Am. Creosoting Co.

Linapah.—Wilke, E. L., Supt., Continental Gas Compressing Corp.

Norman.—Felgar, J. H., Dean College of Engrg., Univ. of Okla.

Oklahoma City.—Benham, W. L., Benham Engrg. Co., Cons. Engrs.

Howe, J. L. (Jr.), Salesman, Otis Elev. Co.

Ponca City.—Dunton, P. R., Supt., Municipal Water and Light Plant.

Shamrock.—Fink, J. B., Engr. and Contr., Oil Refineries & Gas Plants.

Stillwater.—Jablow, C., Assoc. Prof. M. E., Okla. Agri. and Mech. College.

Tulsa.—Bayer, L. F. (Jr.), Ch. Engr., Tidal Gasoline Co.

Bendit, L., T. B. Gasoline Co.

Bernard, H. B. (Jr.), Supt. Gasoline Dept., Sinclair Oil & Gas Co.

Blanding, F. H., Supt., McEwen Mfg. Co.

Cornell, H. D., V. P., Genl. Mgr., Higrade Pet. & Gasoline Co.

Donovan, W. P., Genl. Supt., Gasoline Dept., Gypsy Oil Co.

Ehrmann, C., In charge Engrg. Dept., Okla. Petroleum & Gasoline Co.

Foster, D. E., M. E. on Design and Constr., Cosden & Co.

Harlow, Justin E., Ch. Engr., Pub. Service Co., 18 West 3rd St.

Jones, P., Genl. Supt., Mid-Co. Gasoline Co.

Kingsbury, W. P., V. P., Travis Oil Corp'n.

McEwen, J. H., Pres., Genl. Mgr., McEwen Mfg. Co., Pres., Genl. Mgr., McEwen Bros., Wellsville, N. Y.

Messner, M., 205 Central Natl. Bank Bldg.

OKLAHOMA, Tulsa (Continued)

Porter, H. P., Supt. Gas Dept., Gypsy Oil Co.

Woobank, W. (Jr.), Sales Engr., Worthington Pump & Mchy. Corp.

OREGON

Corvallis.—Covell, G. A., Dean Sch. of Engrg., Ore. Agri. College.

Graf, S. H. (Jr.), Prof. Exper. Engrg., Ore. State Agri. College.

Sague, S. R., Sales Engr. Power House Design and Equip., Strong, Carlisle & Hammond Co.

Marshfield.—Smith, C. W. (Jr.), Inspr. Ships, Timbers, C. A. Smith Lumber & Mfg. Co.

Portland.—Ball, B. C., Pres., Willamette Iron & Steel Wks.

Grelle, C. E. (Jr.), Pres., Independent Fdy. Co.

Hoyt, R. D., Genl. Mgr., Warren Constr. Co.

Lazell, E. W., Chem. and Efficiency Engr., 537 Ry. Exch. Bldg.

Lockwood, J. B. C., Cons. Engr., 508 Worcester Bldg.

McBride, F. R. (Jr.), 507 Broadway Bldg.

Warren, W. B., V. P., Warren Bros. Co.

Westwater, A., Ch. Engr., G. M. Standifer Constr. Corp'n.

PENNSYLVANIA

Aliquippa.—Flanagan, Walter N. (Jr.), Blooming Mill Dept., Jones & Laughlin Steel Co.

Allentown.—Barnhurst, H. G., Ch. Engr., Fuller Engrg. Co.

Bernhard, R. (Jr.), Hotel Traylor.

Browne, G. H., Res. Engr., Ford, Bacon & Davis.

Crane, J. B., Lehigh Navigation Elec. Co.

Duff, H., Supt. Power, Lehigh Valley Translt Co.

Erdell, W. E., Pres., Penn-Allen Cement Co.

Gish, J. A., Jr., Asst. to Ch. Engr., Fuller Engrg. Co.

Lewis, G. C. (Jr.), Asst. Ch. Engr., Hersh & Bro.

Milnor, T. W., Pres., Kline Hardware Co.

Altoona.—Dunbar, W. O., Asst. Engr. Test Dept., Pa. R. R.

Heinemann, A. L. (Jr.), Instr. of Apprentices, Pa. R. R. Co.

Kiesel, W. F., Jr., Asst. M. E., Pa. R. R.

Koch, G. B., Genl. Foreman, South Altoona Foundries, Pa. R. R.

Pease, O. D. A., Test Dept., Pa. R. R.

Rhoads, G. E. (Jr.), Asst. Foreman Loco. Test Plant, Pa. R. R.

Shafter, R. R. (Jr.), Mgr. Crushing Mchy. Dept., Traylor Eng. & Mfg. Co.

Wallis, J. T., Genl. Supt. M. P., Pa. R. R. Lines East of Pittsburgh.

Yoder, J. H. (Jr.), Supvr. Apprentice Schs., Pa. R. R. Lines East of Pittsburgh.

Young, C. D., Engr. of Tests, Pa. R. R.

Ambridge.—Bernard, J. L., M. E., Am. Bridge Co.

Cooper, D. M., M. E., Natl. Metal Molding Co.

Hubbard, C. R., Design Engr., Natl. Metal Molding Co.

Taber, M. W., Factory Mgr., Asbestos Protected Metal Co.

Apollo.—Lock, R., Pres., Apollo Steel Co.

Ardmore.—Bachman, B. B., Engr., Autocar Co.

Fusselman, P. A. (Jr.), Counties Gas & Elec. Co.

PENNSYLVANIA, Ardmore (Continued)

Pringle, N. S., Asst. Engr., Autocar Co.

Bath.—Franks, F. B., Mill Mgr., Bath Portland Cement Co.

Beaver Falls.—Bentley, L. L., Supt., Armstrong Cork Co.

Walker, F. W., Jr. (Jr.), Asst. Genl. Mgr., Beaver Falls Art Tile Co.

Berwick.—Field, H. P., Asst. M. E., Am. Car & Fdy. Co.

Williams, W. E., Local Engr., Am. Car & Fdy. Co.

Berwyn.—Kneass, S., Jr. (Jr.), Camp Sherman.

Bethlehem.—Brunner, R. S., 103 N. 7th Ave.

de Schweinitz, P. B., Prof. Mch. Design, Lehigh Univ.

Haney, J. B. (Jr.), Designer Ordnance Dept., Bethlehem Steel Co.

Johnston, A., First V. P., Bethlehem Steel Corp'n.

Knisely, E. S., Genl. Sales Agt., Bethlehem Steel Co.

Krause, A. E., 167 Lehigh Ave.

Lehr, C. E., Ch. Engr., Constr., Bethlehem Steel Co.

Leibert, J., 141 S. New St.

Luckenbach, O. F., Supt. Drop Forge Dept., Bethlehem Steel Co.

McNally, J. H. (Jr.), Fuel Engr., Weston Dodson & Co., Inc.

Quast, W. F. (Jr.), Instr. M. E., Lehigh Univ.

Repko, J. S., Jr. (Jr.), Production Engr., Bethlehem Steel Co.

Sterner, E. J. (Jr.), 26 S. Tenth Ave.

Braddock.—Chess, H. B., Jr., Pres., Treas., Consld. Expanded Metal Cos.

Danks, A. C. (Jr.), Gas Engr., Ch. Engr. Elec. Power Sta., Carnegie Steel Co.

Bradford.—Mullhaupt, A., Jr. (Jr.), 25 School St.

Rose, J. H., Secy., Genl. Mgr., Bradford Elec. Light & Power Co.

Bridesburg.—Davies, C. E. (Jr.), 1st Lieut., U. S. R., Ordnance Dept., Frankford Arsenal.

McDevitt, W. J., Foreman, Fayette R. Plumb. Inc.

Reynolds, James J., Supt. of Prod., Art. Amm. Dept., Frankford Arsenal.

Robinson, P. M., First Lieut. Ord. Dept., Frankford Arsenal.

Sauers, J. A., 1st Lieut. Ord. Dept., U. S. R., Frankford Arsenal.

Sees, J. F., Capt. Ord. Dept., U. S. R., Asst. Supt. Small Arms Ammunition Dept., Frankford Arsenal.

Bridgeport.—Barker, G. S. (Jr.), First Lieut. O. D., U. S. A.

Bray, C. W., Ret., R. D. No. 1.

Bridgeville.—Landgraf, F. K., Genl. Supt., Flannery Bolt Co.

Scott, T. W. (Jr.), Draftsman, Flannery Bolt Co.

Bristol.—Dodds, W. E., Genl. Mgr., Stand. Cast Iron Pipe & Fdy. Co.

Mason, W. H., Supt. of Constr., Merchants Shipbuilding Co.

Brookville.—Jenks, W. H.

Burnham.—Fry, L. H.

Skinner, O. C., Wks. Mgr., Stand. Steel Wks. Co.

Butler.—Allman, J. H., Mgr. Stand. Steel Car Co., Forged Steel Wheel Co.

PENNSYLVANIA, Butler (Continued)

Christianson, A., Ch. Engr., Stand. Steel Car Co.

Hess, E. E. (Jr.), Draftsman, Designer, Spang & Co.

Sutherland, J. I. (Jr.), Estimator, Stand. Steel Car Co.

Carbondale.—Hamilton, W. J., Secy., Hendrick Mfg. Co.

Hiller, N. H., Pres., Carbondale Mch. Co.

Kassander, A. R. (Jr.), Carbondale Mch. Co.

Catasauqua.—Fuller, Col. J. W., Jr., Pres., Genl. Mgr., Lehigh Car, Wheel & Axle Wks., and Fuller Engrg. Co.

Cementon.—Hochstrasser, A., Supt., Whitehall Cement Mfg. Co.

Chambersburg.—Williams, I., Cumberland Valley R. R. Co.

Chester.—Brown, H. J., Operating Mgr., Keystone Plaster Co., Keystone Fireproofing Co., Victoria Gypsum Mining & Mfg. Co., Ltd.

Kite, H. J. (Jr.), Wks. Engr., Pa. Seaboard Steel Corp.

Penney, R. L. (Jr.), Capt. Ordnance Dept., U. S. R., Remington Arms Co.

Reynolds, J. J. (Jr.), Mgr., Thurlow Steel Wks., Inc.

Shiland, F. H. (Jr.), Ch. Engr., Chester Paper Co.

Thompson, Col. J. T., Cons. Engr., Remington Arms Co.

Clairton.—Winterling, C. C. (Jr.), Steam Engr. Clairton Steel Wks., Carnegie Steel Co.

Clarendon.—Lyons, K. M., Asst. Treas., Clarendon Refining Co.

Coatesville.—Ferrier, W., Asst. Genl. Supt., Worth Bros. Co.

Haldeman, P. C. (Jr.), M. M., Lukens Iron & Steel Co.

Huston, C. L., V. P., Wks. Mgr., Lukens Steel Co.

Morrill, G. L. (Jr.), Sales Engr., York Mfg. Co.

Reynolds, L. C. (Jr.), Asst. Steam Engr., Worth Bros. Co.

Smith, W., Genl. M. M., Worth Bros. Midvale Steel Co.

Teichmann, H. F. (Jr.), M. E., Lukens Steel Co.

Columbia.—Fletcher, F., Asst. Plant Engr., A. M. Byers Co.

Connellsville.—Hankison, L. E., Supt. Power Stas., West Penn Power Co.

Marvin, H., Genl. Supt., Ajax-Hocking Coal Co.

Conshohocken.—Dette, A. E. L., Ch. Engr., Alan Wood, Iron & Steel Co.

Logan, J. W., Mgr. Steel Wks. Dept., Allan Wood, Iron & Steel Co.

Cornwell, Bucks Co.—Shafter, R. R. (Jr.), Ch. Engr., Traylor Shipbuilding Corp.

Corry.—Elston, S. B. (Jr.), Ch. Draftsman, Climax Mfg. Co.

Lewis, E. J., Supt., Climax Mfg. Co.

Crafton.—Ashworth, D., 67 W. Ridge Ave.

Crum Lynne.—Rogers, J. I. (Jr.), Treas., Engr., Eagan-Rogers Steel & Iron Co.

Cynwyd.—Adamson, K. F., Capt. Inf., O. R. C.

Du Bois.—Kissick, J., Jr. (Jr.), Sales Mgr., Vulcan Soot Cleaner Sales Co.

PENNSYLVANIA (Continued)

Duquesne.—Ahlen, W., Ch. Engr., Carnegie Steel Co.

McGrath, F. P. (Jr.), Engr. of Tests, Carnegie Steel Co.

East Downingtown.—Standley, A. H. (Jr.), V. P., Genl. Supt., Downingtown Mfg. Co.

East Pittsburgh.—Auel, C. B., Dir. of Standards, Processes and Materials, Westinghouse Elec. & Mfg. Co.

Babcock, S., Genl. Foreman Power Plant, Westinghouse Elec. & Mfg. Co.

Bathgate, O. H., Wks. Power Engr., Westinghouse Elec. & Mfg. Co.

Bertsch, J. C., Refrig. Engr., Westinghouse Elec. & Mfg. Co.

Blakeslee, W. A. (Jr.), Foreman Westinghouse Elec. & Mfg. Co.

Blickman, J. A., Asst. Supt., Westinghouse Elec. & Mfg. Co.

Eaton, G. M., Engr. Ry. Div., Westinghouse Elec. & Mfg. Co.

Ehrhart, R. N., Engr. Condenser Dept., Westinghouse Mch. Co.

Ely, H. F., Westinghouse Mch. Co.

Feicht, R. S., Mgr. of Engrg., Westinghouse Elec. & Mfg. Co.

Flanders, W. B., Engr., Westinghouse Mch. Co.

Fredette, J., Supt. Tools and Equip., Mch. Wks., Westinghouse Elec. & Mfg. Co.

Herr, E. M., Pres., Westinghouse Elec. & Mfg. Co.

Herr, H. T., V. P., Westinghouse Elec. & Mfg. Co.

Hinkens, E. H., Wks. Layout Engr., East Pittsburgh Wks., Westinghouse Elec. & Mfg. Co.

Hodgkinson, F., M. E., Westinghouse Mch. Co.

Hoskins, S. P. (Jr.), Research Div., Westinghouse Elec. & Mfg. Co.

Johnson, C. W., Genl. Supt., Westinghouse Elec. & Mfg. Co.

Johnson, J. F., Engr. Turbine Dept., Westinghouse Elec. & Mfg. Co.

Keating, T. E., Mgr. Turbine Section, Westinghouse Elec. & Mfg. Co.

Lincoln, P. M., Commer. Engr., Ry. and Lighting Dept., Westinghouse Elec. & Mfg. Co.

Lundgren, E., Ch. Engr. Stoker Dept., Westinghouse Elec. & Mfg. Co.

McCallister, E. W., Pat. Lawyer, Green & McCallister.

MacLean, A., Jr. (Jr.), Marine Engrg. Dept. Mch. Wks., Westinghouse Elec. & Mfg. Co.

Mahoney, J. N., Engr., Westinghouse Elec. & Mfg. Co.

Martin, F. S., Supt. Industrial Motor Dept., Westinghouse Elec. & Mfg. Co.

Mills, C. B., M. E., Charge Drafting Rm., Westinghouse Elec. & Mfg. Co.

Norris, E. R., Dir. of Mfg. Operations, Westinghouse Elec. & Mfg. Co.

Peebles, T. A., Westinghouse Elec. & Mfg. Co.

Pritchett, C. E., Htg. and Vent. Engr., Westinghouse Elec. & Mfg. Co.

Schaafe, W. (Jr.), Engr. Ry. Div., Engrg. Dept., Westinghouse Elec. & Mfg. Co.

Schultz, A. F. (Jr.), Mch. and Tool Designer, Westinghouse Mch. Co.

Sullivan, J. L. (Jr.), Time Study, Rate Setter, Westinghouse Elec. & Mfg. Co.

Taylor, A., Mgr. Wks., Westinghouse Elec. & Mfg. Co.

Work, C. W. (Jr.), Turbine Dept., Westinghouse Elec. & Mfg. Co.

Worker, J. G., Mgr. Stoker Div., Westinghouse Elec. & Mfg. Co.

Easton.—Brown, G. S., Pres., Alpha Portland Cement Co.

Dunn, W. R., Wks. Mgr., Vulcanite Portland Cement Co.

Farrell, W. E., Pres., Easton Car & Constr. Co.

Neave, A. A., V. P., Treadwell Engrg. Co.

Prentice, D. B. (Jr.), Asst. Prof. M. E., Lafayette College.

PENNSYLVANIA, Easton (Continued)

Sermulin, F. E. (Jr.), Engr. Dept. Alpha Portland Cement Co., First National Bank Bldg.
 Smith, W. H. (Jr.), Engrg. Dept., Alpha Portland Cement Co.
 Tydeman, W. A. (Jr.), V. P. and Treas., Macan Jr. Co.
 Warren, R. H., Economy Engr., Alpha Portland Cement Co.

Eddystone.—Albrecht, O., M. E., Tindel Morris Co.

Billings, D. L., Asst. Secy., Remington Arms Co.
 Elmes, C. C. (Jr.), Asst. Supt., Baldwin Loco. Wks.
 Fitzgerald, T. J., Equip. Engr., Remington Arms Co.
 McNaughton, J., Pres., Eddystone Munitions Co.
 Orr, H. S., Ch. Insp., Remington Arms Co.
 Pattison, H., Supt. Insp., Remington Arms Co.
 Rasche, C. M., Supt. Toolroom, Remington Arms Co. of Del.
 Reid, W. L., Genl. Supt., Baldwin Loco. Wks.
 Simpson, W. L., Genl. Supt., Eddystone Ammunition Corp'n.
 Sykes, M. A., Supt., Remington Arms Co.
 Wilhelm, W. M., V. P., Genl. Mgr., Eddystone Ammunition Corp.
 Werst, C. W., Asst. Genl. Supt., Baldwin Loco. Wks.

Ellwood City.—Dunn, J. J., Mgr., National Tube Co.

Smith, H. W. (Jr.), Ch. Engr., Stand. Eng. Co.
 Smith, P. M. (Jr.), Ch. Draftsman, Stand. Engrg. Co.
 Stiefel, R. C., M. E.

Erie.—Armstrong, E. J., Engr., Ball Eng. Co.

Behrend, E. R., Pres., Genl. Mgr., Hammermill Paper Co.
 Bruback, T. M. (Jr.), Dist. Sales Agt., Vulcan Soot Cleaner Co., 812 Peach St.
 Burke, J., Pres., Burke Elec. Co.
 Carew, C. J., Supt., Skinner Eng. Co.
 Clark, D. B., Supt., Am. Brake Shoe & Fdy. Co.
 Conrader, R., 708 Parade St.
 Conrath, G. B., Genl. Mgr., Nagle Corliss Eng. Wks.
 Cox, J. W., Ch. Engr., Erie Malleable Iron Co.
 Dougherty, J. H. (Jr.), Erie Pump & Equip. Co.
 Durban, T. E., Chairman, American Uniform Boiler Law Society.
 Flickinger, H. W. (Jr.), 527 W. 7th St.
 Jarecki, A., Pres., Jarecki Mfg. Co.
 Kendall, E. H. (Jr.), Ch. Engr., Erie Forge Co.
 Lucey, W. S. (Jr.), M. E., Hammermill Paper Co.
 McKenzie, J. C. S., Rep., Erie City Iron Wks.
 Noble, H. S., Pa. R. R.
 Payne, F. H., Mgr. Metric Metal Wks., Am. Meter Co.
 Sherwood, M. W., Burke Elec. Co.
 Skinner, A. D., V. P., Sales Mgr., Skinner Eng. Co.
 Smith, M. E. (Jr.), Union Iron Wks.
 Spalding, C. M., M. E., Genl. Elec. Co.
 St. Lawrence, J., Mfg. Supt. Erie Wks., Genl. Elec. Co.
 Stevens, R. C., Ch. Engr., Skinner Eng. Co.
 Westcott, H. P., Engr. Natural Gas Constr. Wk., Metric Metal Wks.
 Wright, R. P., Secy., Treas., Reed Mfg. Co.

Farrell.—Henry, F. E., Asst. Mgr., Farrell Wks., Am. Sheet & Tin Plate Co.**Ford City.**—Valentine, W. R., Supt. Shop 2, Pittsburgh Plate Glass Co.

PENNSYLVANIA (Continued)

Frackville.—Lesser, W. H., M. E., E. E., Madelra Hill Coal Co.

Franklin.—Callan, W. H., Mgr. Compressor Plant, Chicago Pneu. Tool Co.

Dale, R. B., Planning Dept., Franklin Mfg. Co.

Haskell, B., Miller Park.

Hughes, H. M. (Jr.), Mgr. Pole Dept., Franklin Steel Wks.

Jackson, F. W., Cons. Engr., 66 12th St.

Miller, C. A. (Jr.), Natl. Army; care of J. F. Miller.

Morgan, J. D., 1st Lieut. E. O. R. C., U. S. A., 921 Liberty St.

Fullerton.—Stubblebine, W. A., Ch. Engr., Lehigh Stoker Co.

George School.—Brown, R. G.

Greensburg.—Hutchinson, G. W., Ch. Engr., Keystone Coal & Coke Co.
Johnson, F. E., Supt., Kelly & Jones Co.

Greenville.—Webster, H. D., M. E., Bessemer & Lake Erie R. R. Co.

Harmarville.—Fear, T. G., Genl. Supt., Inland Collieries Co.

Harrisburg.—Allen, B. T., Ch. Engr., Harrisburg Fdy. & Mch. Wks.
Dilcher, H. J. (Jr.), Engr. of Tests, Harrisburg Pipe & Pipe Bending Co.

Ehlers, H. E., Chief Bureau of Rates and Tariffs, Pub. Serv. Com. of Pa.

Fisk, G. L., Ch. Engr., Central Iron & Steel Co.

Israel, C. H., Sales Engr., Harrisburg Fdy. & Mch. Wks.

Jackson, J. P., The Commr., Pa. Dept. of Labor and Industry.

Larkin, F. V., Asst. Genl. Supt., Harrisburg Pipe & Pipe Bending Co.

Schaup, C. E., Cons. Engr., 304 Commonwealth Trust Bldg.

Hauto, Carbon Co.—Bell, C. W., First Asst. Ch. Engr. Hauto Power Sta., Lehigh Navigation Elec. Co.

Haverford.—Felton, E. C., Pres., Pa. Steel Co.

Weidenbacker, R. W. (Jr.), Designer, The Baldwin Loco. Works.

Hazleton.—Butler, N. R., Asst. Wks. Mgr. Jeanesville Plant, Worthington Pump & Mchy. Corp'n.

Jennings, A. B., Wks. Mgr. Jeanesville Wks., Worthington Pump & Mchy. Corp'n.

Hershey.—Snively, A. B. (Jr.), Asst. M. M., Hershey Chocolate Co.

Holidaysburg.—Kirk, W. F., Mgr., McLanahan-Stone Mch. Co.

Holtwood.—Bauhan, A. E., Sta. Supt., Pa. Water & Power Co.

Honesdale.—Gurney, H. F., Pres., Gurney Elec. Elev. Co.
Valtler, F. V., Gurney Elec. Elev. Co.

Jeannette.—Tarbox, G. R., Elliott Co.

Johnstown.—Bosler, B. E., Supt. Mech. Dept., Cambria Steel Co.

Clarke, E. W., Ch. Engr., Cambria Steel Co.

Danner, E. C., Asst. Genl. Supt. Gautier Wks., Cambria Steel Co.

Geer, J. H., Engr. Constr., Cambria Steel Co.

PENNSYLVANIA, Johnstown (Continued)

Herbert, J. S., 223 Main St.

Linker, H. S., Estimating Engr. Engrg. Dept., Cambria Steel Co.

Morgan, J., Cons. Engr., 408 Tioga St., Westmont.

Morrissey, P. J., Genl. Mgr., Citizens Light, Heat & Power Co. of Pa.

Symons, J. V., M. M., Blast Furnaces and Mills, Cambria Dept., Cambria Steel Co.

Webster, W. R., Asst. Ch. Engr., Cambria Steel Co.

Wilson, T. B., Steam Engr., Cambria Steel Co.

Young, E. J. (Jr.), Genl. Foreman Elec. Repair Dept., Cambria Steel Co.

Lancaster.—Flickes, A. C., M. E., Lancaster Iron Wks.

Fraim, S. R., Genl. Mgr., E. T. Fraim Lock Co.

Vandergrift, J. W., V. P., Genl. Mgr., So. Pipe Line Co.

Langeloth.—Gill, A. H., Genl. Supt. Langeloth Plant, Am. Zinc & Chem. Co.

Lansford.—Whildin, W. G., Mining Supt., Lehigh Coal & Navigation Co.

Latrobe.—Jones, Wm. S., V. P., Vanadium Alloy Steel Co.

Routh, G. H., M. M., Peters Paper Co.

Lebanon.—Crowell, W. J., Jr.

Entwisle, E. F., Genl. Supt., Donaghmore Plant, Bethlehem Steel Co.

Giele, W. S., V. P., Genl. Mgr., Lebanon Gear & Mch. Wks.

Leetsdale.—South, F., Jr. (Jr.), Charge Cost Dept., Riter-Conley Mfg. Co.

Lester.—Schultz, Arthur F., Mech. Engr., Westinghouse Elec. & Mfg. Co.

Lewisburg.—Burpee, F. E., Prof. M. E., Bucknell Univ.

McKees Rocks.—Badowski, A. (Jr.), 1130 Knox St., West Park.

Jacobson, F. (Jr.), Checker, Pressed Steel Car Co.

McKeesport.—Hoerr, A. L., Ch. Engr. Natl. Wks., Natl. Tube Co.

McCulloch, J. A., Engr. Galvanizing Plant, Natl. Tube Co.

Saunders, A. M., Supt., Natl. Tube Co.

Wilson, J. W., Supt. Lower Depts., Natl. Tube Co.

Marcus Hook.—Melendy, J. G., Supt., Genl. Chem. Co.

Martins Creek.—Magee, J. F. (Jr.), Supt. Mill No. 4, Alpha Portland Cement Co.

Meadowbrook.—Kulling, O. W.

Meadville.—Watson, R. B., Engr. Tests, Erie R. R.

Media.—Wood, W. H., Engr., Bldr. Spec. Mchy., 10 South Ave.

Classen, E. H. (Jr.), Partner, Classen & Latham.

Midland.—Gants, E. T. (Jr.), Foreman Test Dept., Pittsburgh Crucible Steel Co.

Milton.—Miles, F. H. (Jr.), Ch. Engr., Milton Mfg. Co.

PENNSYLVANIA (Continued)

Monessen.—Wikstrom, M. U., Genl. Supt., Pittsburgh Steel Products Co.

Munhall.—Owesen, H. (Jr.), Estimator, Homestead Steel Wks.

Natrona.—Walton, M. R. (Jr.), Wks. Engr., Pa. Salt Mfg. Co.

Nazareth.—Brobston, J., V. P., Dexter Portland Cement Co.

Fortuin, M., Mgr., Pa. Cement Co.

Greene, G. F. (Jr.), Asst. to Genl. Mgr., Nazareth Fdy. & Mch. Co.

Louder, J. W., Supt., Nazareth Cement Co.

Miller, J. A., Pres., Dexter Portland Cement Co., Pres., Clinchfield Portland Cement Co.

Sheedy, M. M., Capt. Co. C, 21st Engrs., U. S. A., 507 Dudley Ave.

Taft, E. H., Supt., Phoenix Portland Cement Co.

Thomas, A. C., Ch. Engr., Hercules Portland Cement Corp.

Wolfe, E. A., Supt., Penn-Allen Cement Co.

New Castle.—Lamoree, J. K. (Jr.), Wks. Engr. Shenango Wks., Am. Sheet & Tin Plate Co.

Schelhammer, H., Factory Mgr., Johnson Bronze Co.

Williams, W. H., Draftsman, Carnegie Steel Co.

New Kensington.—Pancoast, A., V. P., Genl. Mgr., Union Spring & Mfg. Co.

Newport.—Gring, W. D. (Jr.), Supt. M. P., Newport & Sherman's Valley R. R. Co.

Norristown.—Bryans, H. B., Engr., Counties Gas & Elec. Co.

Luster, E. J., V. P., Genl. Mgr., Luster-Jordan Co.

Northampton.—Lauer, H. H., Constr. Engr., Atlas Portland Cement Co.

Oakmont.—Barr, J. A. (Jr.), Designer, Edgewater Steel Co.

Duden, E. G. (Jr.), Ch. Engr., W. B. Scalfe & Sons Co.

Dunham, B. W., Edgewater Steel Co.

Newman, M. F., Mgr. Water Purifying Dept., Wm. B. Scalfe & Sons Co.

Oil City.—Coffman, J. P., Genl. Supt., Natl. Transit Pump & Mch. Co.

Gnade, E. R., Wks. Mgr., Oil Well Supply Co.

Howard, C. D., Ch. Engr. Eng. Dept., Natl. Transit Pump & Mch. Co.

Newton, N. A., Sales Mgr., Natl. Transit Pump & Mch. Co.

Platt, W. O., V. P., Supt., Jos. Reid Gas Eng. Co.

Sachs, D. M., V. P., Genl. Mgr., No. Pipe Line Co.

Weymouth, T. R., Ch. Engr., United Natural Gas Co.

Palmerton.—Burnell, A. E. (Jr.), Draftsman, N. J. Zinc Co. of Pa.

Mervine, A. E., Asst. Supt., N. J. Zinc Co. of Pa.

Norvig, J., Field Engr., New Jersey Zinc Co. of Pa.

Ostgren, G. L., Ch. Engr., N. J. Zinc Co.

Semmel, J. W. (Jr.), Asst. Ch. Oper. Engr., New Jersey Zinc Co.

Parkesburg.—Beale, H. A., Jr.

Woodroffe, G. H., Mech. and Metallurgical Engr., Parkesburg Iron Co.

Philadelphia.—Adair, C., Asst. to Pres., Penn Seaboard Steel Corp.

Alcher, A. L. (Jr.), Draftsman, Cresson-Morris Co.

PENNSYLVANIA, Philadelphia (Continued)

- Akimoff, N. W., Mfr. Balancing Mchy., 1013 Harrison Bldg.
 Allen, A., M. E., Am. Intl. Corp'n.
 Allison, J. F. (Jr.), M. E. Dept., Univ. of Pa.
 Alpern, M., Genl. Sales Mgr., Am. Engrg. Co.
 Andrew, J. D., Asst. Wks. Mgr., Am. Intl. Ship Bldg. Corp'n.
 Annis, L. F., M. M., Am. Intl. Ship Bldg. Corp'n.
 Arnaiz, W. P., M. E., Charge Design and Drafting, Am. Pulley Co.
 Atterbury, W. W., V. P., Charge Operation, Pa. R. R. Co.
 Bailey, W. J., East. Sales Mgr., United Coal Corp'n.
 Baldwin, A. W. (Jr.), Instr. M. E. Towne Scientific Sch., Univ. of Pa.
 Ballinger, W. F., Ballinger & Perrot.
 Bancroft, J. S., Genl. Mgr., M. E., Lanston Monotype Mch. Co.
 Bark, E., Engr., The Barrett Co., Frankford.
 Barth, C. G., Senior Mem., Carl G. Barth & Son.
 Bassett, C. W. (Jr.), with Budd Wheel Corp'n, 25th St. and Hunting Park Ave.
 Bassett, R. M., Dist. Sales Mgr., Murphy Iron Wks.
 Batt, W. L. (Jr.), Sales Mgr., Hess-Bright Mfg. Co.
 Bauer, G. A., V. P., W. E. Shipley Mchy. Co.
 Baumgartner, A. A. (Jr.), Mgr., Superior Mfg. Co.
 Behney, C. C., M. E., Simplex Valve & Meter Co.
 Benner, H. L., M. and E. E., 1235 Locust St., Secy., Treas., Am. Insulating Mchy. Co., Inc.
 Bennett, R. M. (Jr.), Supt., Frankford Arsenal.
 Benny, I. H., Supt. Mfg., Penn Barrel Co.
 Bent, S., Genl. Dist. Mgr., Raymond Concrete Pile Co.
 Berger, J. G., Ch. Engr., Wm. Gordon Corp'n.
 Bergey, J. E., Leading Ordnance Draftsman, Navy Dept.
 Bergman, L. H., Fuel Engr., Midvale Steel Co.
 Bickley, C. D. (Jr.), Yard Master, Philadelphia Steel & Forge Co., Tacony.
 Bilger, H. E., Supt. Tools & Gauges, Baldwin Loco. Wks.
 Bilgram, H., Pres., Bilgram Mch. Wks.
 Black, E. N., 3d, Mech. Engr., Automobile Sales Corp.
 Blankenhorn, G. S., Asst. to Mgr. Mchy. Fabrication, Am. Intl. Shipbuilding Corp'n.
 Blatchley, C. A., Cons. Engr., 1052 Drexel Bldg.
 Blum, A. N., M. E., E. E., Tech. Adviser, Ch. Engr., Henry Disston & Sons, Inc., Tacony.
 Bockius, C. A., 5151 Wayne Ave.
 Bond, W. L. (Jr.), 1st Lieut. Ordnance Dept., U. S. R., Frankford Arsenal, Bridesburg Sta.
 Bonine, C. E., Cons. Engr., 609 Harrison Bldg.
 Borden, J. M. (Jr.), Estimator, John Borden & Bros.
 Borden, M. M., M. E., Simplex Valve & Meter Co.
 Bossinger, E. L., M. M., Midvale Steel Co., Nicetown.
 Boyd, F. E., Lieut. U. S. Naval Reserve Force, Engr. officer, U. S. S. Jupiter.
 Brayton, H. M. (Jr.), Lieut., O. O. R. C., 1625 Wakeling St.
 Breneman, P. E. (Jr.), Ch. Draftsman, E. G. Budd Mfg. Co.
 Bressler, J. W., Metallurgist, Tacony Steel Co.
 Brewer, A. F. (Jr.), M. E., Am. Intl. Shipbuilding Corp'n.
 Brinley, C. E., V. P., Mgr., Am. Pulley Co.
 Brown, A. M. (Jr.), Sales Engr., Chicago Pneumatic Tool Co.
 Brown, R. P., Pres., Brown Instrument Co.
 Browne, J. H., Sales Engr., Am. Radiator Co.

PENNSYLVANIA, Philadelphia (Continued)

- Bruegel, A. T., 1102 Melrose Ave., Melrose Park.
 Bruff, C. L., Cons. Mech. Engr., 1834 Shunk St.
 Budd, E. G., Pres., Edward G. Budd Mfg. Co.
 Buerger, C. B., Cons. Engr., Atlantic Refining Co.
 Burnham, W., Pres., Treas., Stand. Steel Wks. Co.
 Burroughs, G. H., Jr., Capt., C. A. O. R. C., Acting Quartermaster,
 U. S. A., Fort Du Pont, Delaware.
 Cadwallader, H., Jr., Efficiency Engr., 1413 Somerset St.
 Cady, H. R. (Jr.), Mech. Engr., Bureau of Water.
 Carter, E. B., Plant Engr., Midvale Steel Co.
 Case, G. H., Ch. Engr., Southwark Fdy. & Mach. Co.
 Cathcart, W. L., Cons. Engr., 636 Westview Ave., Germantown.
 Champion, H. W., Pres., Newton Mch. Tool Wks., Inc.
 Chance, T. M. (Jr.), Min. Engr., H. M. Chance & Co.
 Charlton, R. C., M. E., Henry Disston & Sons, Inc., Tacony.
 Child, S. G., Asst. Supt., Baldwin Loco. Wks.
 Childs, J. N., 2500 S. Garnett St.
 Church, A. L., Asst. to Pres., Baldwin Loco. Wks.
 Clark, W., Second V. P., United Gas Improvement Co.
 Clark, W. C. M., U. S. S. Sialia, care Postmaster, N. Y.
 Clarke, W. J., Philadelphia Mgr., L. Sonneborn Sons, Inc.
 Clarkson, R. C., Jr. (Jr.), 2224 N. 51st St.
 Clouser, G. L. (Jr.), Draftsman, Baldwin Loco. Wks.
 Cobleigh, H. R. (Jr.), Tech. Editor, Automobile Trade Journal and
 Commercial Car Journal, Chilton Co.
 Coburn, F. G., Naval Constr., U. S. N., Naval Aircraft Factory, Navy
 Yard.
 Coleman, R. J. (Jr.), Pres., Coleman-Shoemaker-Mead, Inc.
 Connell, F. V. (Jr.), M. E. in charge Dynamic Balance, with N. W.
 Akimoff, 239 N. Watts St.
 Cook, J. P. (Jr.), Sr. M. E., Interstate Commerce Comm.
 Cooke, M. L., Cons. Engr., 401 W. Walnut Lane, Germantown.
 Crisfield, J. A. P., Engr., United Gas Improvement Co.
 Crofoot, G. E., Asst. Prof. M. E. Towne Scientific Sch., Univ. of Pa.
 Crouthamel, J. F. (Jr.), Draftsman Artillery Dept., Midvale Steel &
 Ordnance Co.
 Dallett, E., M. E., Midvale Steel Co., Nicetown.
 Dallett, W. P., Hyd. Engr., Contr., 49 N. 7th St.
 Daugherty, F. (Jr.), V. P., Scofield Engrg. Co.
 Davis, C. E., Test Engr., Am. Engrg. Co.
 Dawes, R., V. P., Supt., Haskell-Dawes Mch. Co.
 Day, C., Pres., Day & Zimmermann.
 De Visser, J. H., Capt., O. D., Frankford Arsenal.
 Dill, T. C., Pres., T. C. Dill Mch. Co., Inc.
 Dinkey, A. C., Pres., Midvale Steel Co.
 Disston, W. D. (Jr.), Third V. P., Henry Disston & Sons, Inc., Tacony.
 Dodge, A., Mem. of Firm, Shore & Dodge.
 Dodge, K., Cons. Engr., Morris Bldg.
 D'Olier, W. L., Pres., D'Olier Centrifugal Pump & Mch. Co.
 Douglas, E. R., Cons. Specialist.
 Dunlevy, D. W., Genl. Supt., Colonial Steel Co.
 Easby, F. H., 3316 Powelton Ave.
 Edgerton, L. B., M. E., Philadelphia Quartz Co.
 Eglin, W. C. L., Second V. P., Ch. Engr., Philadelphia Elec. Co.
 Ehlers, P., Ch. Engr., Wm. I. McCahan Sugar Refining Co.
 Elliott, A. H., Sales Agt., Am. Brake Shoe & Fdy. Co.
 Ellis, H. A., Pres., Light Ry. Equip. Co.

PENNSYLVANIA, Philadelphia (Continued)

- Ennis, W. D., Major, O. D., U. S. R., Frankford Arsenal.
 Epstein, M. K. (Jr.), Dist. Rep., Gilbert & Barker Mfg. Co., Dist. Rep., Wilson-Mauehlen Co.
 Esherick, G., Jr. (Jr.), Midvale Steel Co., Nicetown.
 Esherick, J. (Jr.), Power Plant Equip., 1414 S. Penn Sq.
 Evans, P., Pres., Engrg. Head, Merchant & Evans Co., Globe Aut. Sprinkler Co., Schuylkill Ry. Co., Schuylkill Elec. Co.
 Eynon, T. M., Pres., Eynon-Evans Mfg. Co.
 Felix, S. P., Dist. Mgr., Dravo Doyle Co.
 Fenhagen, F. D. (Jr.), Designing Engr., Barrett Co., Frankford.
 Ferguson, W. B., Field Officer, U. S. Shipping Bd., Emergency Fleet Corp'n.
 Fernald, R. H., Whitney Prof. Dynamical Engrg., Univ. of Pa.
 Fichter, C., Combustion and Efficiency Engr., Day & Zimmerman.
 Field, F. C., Capt., O. O. R. C., U. S. A.
 Fine, B. M. (Jr.), Midvale Steel Co.
 Fischer, A. K., Pres., Schutte & Koerting Co.
 Fischer, V. B., Supvr. of Tools, Midvale Steel Co.
 Fisler, A. C. (Jr.), Designing Engr., Simplex Valve & Meter Co.
 Fitzgerald, W. L., Asst. Wks. Mgr., Edward G. Budd Mfg. Co.
 Flagg, S. G., Jr., S. G. Flagg & Co.
 Fleckenstein, H., M. E., Hindley Gear Co.
 Fleisher, W. A., M. & E. E., S. B. & B. W. Fleisher, Inc.
 Fogg, O. H., Capt., O. R. C., U. S. A., 1707 Arch St.
 Ford, B., Fourth V. P., Elec. Storage Battery Co.
 Forsyth, W., M. E., 112 Moreland Ave., Chestnut Hill.
 France, J. E. (Jr.), 1st Lieut., 5th Engr., U. S. A., 3544 N. 18th St.
 Francis, I. H., Cons. Engr., 1508 Commonwealth Trust Bldg.
 Frank, E. (Jr.), Centrifugal Pump Designer, C. H. Wheeler Mfg. Co.
 Freeman, F. C., United Gas Improvement Co.
 Frick, J., M. E., Horn & Hardart Baking Co.
 Fuller, A. J., Genl. Supt., Bureau of Water.
 Fuller, W. D., Comptroller, Curtis Publishing Co.
 Galloway, C. D., Asst. Factory Engr., Elec. Storage Battery Co.
 Ganster, J. A., Supt. Production, Stand. Roller Bearing Co.
 Gebhardt, L. E. (Jr.), C. H. Wheeler Mfg. Co.
 Gest, A. P., Jr. (Jr.), Asst. Supt., Plant Engr. Chem. Dept., Barrett Co., Frankford.
 Gilmer, G. W., Jr., Pur. Agt., Sales Mgr., L. H. Gilmer Co., Tacony.
 Glenn, E. R. (Jr.), Lieut., 1438 N. 13th St.
 Godfrey, Dr. H., Pres., Drexel Inst., Commissioner Advisory Commission, Council of Natl. Defense, Washington, D. C.
 Goetz, V. J., Engr., Goetz Ice Mch. Co.
 Goldsmith, L. M. (Jr.), Engr. of Tests, Atlantic Refining Co.
 Goodenough, W., Genl. Mgr., Am. Intl. Shipbuilding Corp'n.
 Graf, J. C. (Jr.), Engr., Southwark Fdy. & Mch. Co.
 Grant, A. W., Jr., Oper. Dept., H. Koppers Co.
 Gray, J. W. (Jr.), Asst. to Genl. Mgr., Newport News Shipbuilding & Dry Dock Co.
 Greene, H. R., Sales Engr., Sanford Riley Stoker Dept., B. F. Sturtevant Co.
 Gref, W. H. (Jr.), Lieut., Torresdale Sta.
 Groff, H. M., Leading Draftsman, Gage Div., Frankford Arsenal.
 Grunwell, P. C., Designing Engr., Am. International Corp.
 Gutekunst, F. C., Production Engr., Eddystone Ammunition Corp.

PENNSYLVANIA, Philadelphia (Continued)

- Hagemann, G. E. (Jr.), Instr. M. E., Univ. of Pa.
 Hagman, W. J., Genl. Mgr., Bement-Miles Wks., Niles-Bement-Pond Co.
 Hagstrom, H. O. (Jr.), Mgr., Elev. Supplies Co., Inc.
 Hagy, J. L., Engr., Instr., 17th and Wood Sts.
 Hahn, C. V. (Jr.), Asst. to V. P., A. H. Fox Gun Co.
 Haines, E. P., 1827 N. Bouvier St.
 Hand, F. L., 1948 N. 18th St.
 Hansen, C. M., Managing Dir., Pa. Mut. Liability Asso.
 Harman, W. H., V. P., Southwark Fdy. & Mch. Co.
 Harrison, C. E., Inspr., Am. Engrg. Co.
 Hathaway, H. K., Cons. Engr., 1740 Hamilton St.
 Hawkins, R. D. (Jr.), Instr. M. E., Univ. of Pa.
 Henderson, G. R., Cons. Engr., The Aldine.
 Henry, F. G., Ch. Engr., Burkhart Corp'n.
 Henshall, P. P. (Jr.), Asst. Supt., Stokes & Smith Co., Summerdale.
 Hepburn, L. L. (Jr.), Foreman in Mch. Shop, Midvale Steel Wks., Nicetown.
 Hess, H., 308 Bailey Bldg.
 Hickman, C. D., Cons. Engr., 1414 S. Penn Sq.
 Hicks, W. A. B., Ch. Draftsman, Wm. Camp & Sons Ship & Engines Bldg. Co.
 Hiller, J. L., Treas., Ch. Engr., Pa. Crusher Co.
 Hilyard, L. R. (Jr.), Asst. Ch. Engr., Edward G. Budd Mfg. Co.
 Hoopes, C. R., Pres., Hoopes & Townsend Co.
 Hoover, C. A., Treas., Vim Motor Truck Co.
 Howell, E. I. H., M. E., 312 Bullitt Bldg.
 Hubbell, R. L. (Jr.), Nelson Valve Co., Chestnut Hill.
 Hughes, J. W., Genl. Mgr., Defiance Mfg. Co., Summerdale Sta.
 Hunter, C. F., Capt., Ord. R. C., Frankford Arsenal.
 Hunter, H. C. (Jr.), Walter Hunter Co.
 Hüttinger, W. R. (Jr.), Ch. Engr., Lewis & Roth Co.
 Ingersoll, H. H. (Jr.), Foreman, Atlantic Refining Co.
 Irwin, F. K., Philadelphia Sales Mgr., Niles-Bement-Pond Co.
 Israel, C. H., Dist. Mgr., Harrisburg Fdy. & Mch. Wks.
 Jackson, A. C., Genl. Supt., Secy., Treas., Miller Lock Co., Frankford.
 Jackson, C. J., 1430 S. 53th St.
 Jackson, H. W. (Jr.), Production Supt., Hess-Bright Mfg. Co.
 Jakobsson, H., Ordnance Engr., Midvale Steel Co., Nicetown.
 Jay, E. G., Jr., Mechanical Engineer, 1714 Delancey St.
 Jellett, S. A., Pres., Stewart A. Jellett Co.
 Johnson, A. C. (Jr.), Salesman, Coatesville Boiler Works.
 Johnson, E. R., Ch. Engr., Haslett Spiral Chute Co.
 Johnston, R. B., Miller Lock Co.
 Jones, W. R., Supt. Bldgs. and Grounds, Univ. of Pa.
 Kane, W., Pres. and Genl. Mgr., Wm. Kane Mfg. Co., Inc.
 Kavanaugh, W. H., Prof. Exper. Engrg., Towne Scientific Sch., Univ. of Pa.
 Keet, C. T. (Jr.), Engr. Jet Dept., Schutte & Koerting Co.
 Keller, P. (Jr.), 1st Lieut., Ordnance, U. S. R., Frankford Arsenal.
 Kennedy, A., V. P., Hollar Co.
 Kenney, L. H., M. E., Mchy. Div., Navy Yard.
 Kerr, R. L., Engr., C. H. Wheeler Mfg. Co.
 Keifer, P. J., Instr., M. E., Univ. of Pa.
 Klehl, E. P. (Jr.), Supt. Power Dept., The Atlantic Refining Co.
 Kind, M., Pres., Genl. Mgr., Hercules Cement Corp.
 King, C. W. G., Supt., U. S. Metallic Packing Co.

PENNSYLVANIA, Philadelphia (Continued)

- Klaer, H. J., Genl. Mgr., Penn. Seaboard Steel Corp.
 Klauder, L. T., Constr. Engr., Philadelphia Rapid Transit Co.
 Klumpp, J. B., Inspc. Engr., United Gas Improvement Co.
 Kneass, S. L., Mgr. Injector Dept., Wm. Sellers & Co.
 Knopf, G. W., Pa. Bldg.
 Koch, C. (Jr.), Ordnance Draftsman, Philadelphia Navy Yard.
 Kothny, G. L., Cons. Engr., Mgr. Marine Dept., C. H. Wheeler Mfg. Co.
 Kuen, W. E., Engr., Badenhausen Co.
 Ladd, J. B., Cons. Engr., 1011 Chestnut St.
 Lafore, J. A., Pres., Merion Paper Co.
 Lane, F. L., Mech. Supt., Engr., Haines, Jones & Cadbury Co.
 Lanza, C. G., Engr., Baldwin Loco. Wks., Prof. Emeritus Theor. and Applied Mech., Mass. Inst. of Tech., Boston, Mass.
 Lauer, C. N., Genl. Mgr., Day & Zimmermann, Inc.
 Law, O. A., 313 W. Seymour St.
 Lawrence, H. F. (Jr.), Test Engr., Am. Engrg. Co.
 Lea, E. S., Major, Frankford Arsenal, 229 Chestnut Ave.
 Ledoux, J. W., Ch. Engr., Am. Pipe & Constr. Co.
 Lemoine, L. R., Pres., U. S. Cast Iron Pipe & Fdry. Co.
 Lewis, A. T., Mem. of Firm, Lewis, Robinson & Gant.
 Lewis, L. M., The Globe Automatic Sprinkler Co.
 Lewis, W., Pres., Tabor Mfg. Co.
 Linker, A. (Jr.), Mech. Draftsman, Atlantic Refining Co.
 Liversidge, H. P., Operating Engr., Philadelphia Elec. Co.
 Lober, W. D., V. P., Vulcanite Portland Cement Co.
 Loeb, A. H. (Jr.), Secy., Arch. Serv. Corp'n.
 Longstreth, C., Lieut. Commander, U. S. N. R. F., Pres., U. S. Metallic Packing Co.
 Lonn, J. M. (Jr.), 1st Lieut., Ord. Dept., Frankford Arsenal.
 Lord, W., Prop., Nicetown Plate Washer Co.
 Loss, H. V., Cons. Engr., North Am. Bldg.
 Lovekin, L. D., Cons. Engr., N. Y. Shipbuilding Co. of Camden, N. J., Am. Intl. Shipbuilding Corp'n.
 Lovell, A., Cons. Engr., 619 Harrison Bldg.
 Luther, S. G., Engr., No. 2 S. 46th St.
 Lyon, P. S. (Jr.), 2nd Co., C. A. C., Ft. Monroe, Va.
 McBride, T. C., Philadelphia Sales Mgr., Worthington Pump & Mchy. Corp.
 McConnell, R. S., Supt. Drawing Rm., Baldwin Loco. Wks.
 McCormack, L. J., Industrial Engr., 6234 Spruce St.
 McCurdy, A. D., 3516 N. 22nd St.
 McKendrick, L. (Jr.), Sales Engr., Wheeler Cond. & Engrg. Co.
 McMenamin, C. G., 3514 N. 24th St.
 McMullin, F. V., 756 N. 44th St.
 McPherson, C. J., M. E., J. G. Brill Co.
 MacLeod, N. MacC., Appraiser, Am. Appraisal Co. of Milwaukee and New York, Germantown.
 Machold, C. E., Partner, Machold & Riddell.
 Mackay, A., Ch. Engr., John Lang Paper Co.
 Mackenzie, W. P., Pres., W. P. Mackenzie Co.
 Maloney, C. A. (Jr.), Efficiency Engr., United Gas Improvement Co.
 Manz, L. C., M. E., Midvale Steel Co., Nicetown.
 Marble, E. G., Genl. Sales and Wks. Mgr., Am. Engrg. Co.
 Mardaga, L. (Jr.), Sales Engr., Mickle-Milnor Engrg. Co.
 Marshall, W. E. (Jr.), Engr., Marshall Bros. & Griffin, Inc.
 Maurhoff, P. A. L., Cor. Madison and Forest Aves., Highland Park.

PENNSYLVANIA, Philadelphia (Continued)

- Maxfield, D. E., M. E., Am. Intl. Corp'n.
 Menzin, A. L., M. E., Hotel Tracy, 36th and Chestnut Sts.
 Metten, J. F., Ch. Engr., Wm. Cramp & Sons S. & E. B. Co.
 Mickie, R. T., Pres., Mickie-Milnor Engrg. Co.
 Mirkil, T. H., Jr., Dist. Sales Mgr., Baltimore Tube Co., Treadwell Engrg. Co.
 Moody, L. F., Cons. Engr., I. P. Morris Co.
 Moore, H. T., Industrial Engr., Day & Zimmermann.
 Morgan, R. C., Ch. Engr., Stewart A. Jellett Co. Bldg.
 Moul, H. A. (Jr.), 2003 Columbia Ave.
 Mowery, J. N., M. E., Keystone Lubricating Co.
 Moxham, E., Pres., F. B. Foster & Co., Ins.
 Moy, F. (Jr.), First Asst. Insp., Bureau of Gas, Dept. of Pub. Wks.
 Muckle, Col. J. S., M. E., 2023 Walnut St.
 Muckle, M. R., Jr., M. E., 220 S. Broad St.
 Mudd, J. P., M. E., Midvale Steel Co.
 Murphy, E. T. (Jr.), V. P., Carrier Engrg. Corp.
 Murphy, W. B., Supt. Chem. Dept., Barrett Co., Frankford.
 Myers, J. L. (Jr.), Fuel and Power Engr., Barrett Co.
 Myers, W. S., Ch. Draftsman, Ladd & Baker.
 Naegeley, J. C., Engr., Arch., 73 Rochelle Ave., Wissahickon.
 Nesdahl, E., Air Conditioning Engr., Braemer Air Conditioning Corp'n.
 Nixon-Miller, M., C. and M. E., Prospect Ave., Chestnut Hill.
 Nordenholt, G. F. (Jr.), Insp., Budd Mfg. Co.
 Norris, W. H., M. E., The Blenheim.
 Nusbaum, L., Prop., Pa. Engrg. Co.
 Nusim, M. J., Engr. Steam Turbines and Centrifugal Compressors, Southwark Fdy. & Mch. Co.
 Oberlin, E. G., Lieut-Commander U. S. Navy, Navy Yard.
 Overn, J., Jr., Mgr. Hyd. Div., I. P. Morris Dept., Wm. Cramp & Sons Ship & Eng. Bldg. Co.
 Parish, W. H. (Jr.), Sales Engr., Westmoreland Coal Co.
 Parker, J. C., Genl. Mgr., Parker Boiler Co.
 Patterson, J. C. (Jr.), Ch. Engr., Stand. Cotton Co. of Am.
 Patterson, W. E., Dept. Dev. and Design, Elec. Storage Battery Co.
 Peck, S. B., V. P., Link-Belt Co., Nicetown.
 Pedersen, N., Genl. Supt., Arthur Brock, Jr., 533 N. 11th St.
 Pelot, J. H., Major Ordnance Dept., U. S. A., Frankford Arsenal.
 Perkins, R. P., Combustion Engr's Office, The United Gas Improvement Co.
 Pettinos, G. F., Pettinos Bros.
 Pew, J. N., Jr., V. P., Sun Co.
 Pfeiffer, C. G., Mem. of Firm, Specialty Engrg. Co.
 Philipp, P. C., Pres., P. C. Philipp Engrg. Corp'n.
 Plumb, F. H., Sales Mgr., Stand. Supply & Equip. Co.
 Polk, A., Sales Engr. and Cons. Engr., Harrisons, Inc. (du Pont).
 Pope, J., Engr., The Am. International Shipbuilding Corp'n, 140 W. Broad St.
 Porter, D. B. (Jr.), Member of Efficiency Staff, Frankford Arsenal.
 Porter, J. B., Engr., Elec. Ship Propulsion Wk., Genl. Elec. Co.
 Poultney, J. L., Engr., The J. G. Brill Co.
 Priebe, E. B. (Jr.), Am. Engrg. Co.
 Rae, J., Serv. Engr., Tabor Mfg. Co.
 Ramsden, J. T., Ch. Engr., Tabor Mfg. Co.
 Reckendorfer, John K. (Jr., 1916), Asst. Mgr. Naval Aircraft Factory, Navy Yard.

PENNSYLVANIA, Philadelphia (Continued)

- Reuschline, G. L., Supt. Mgr., Am. Ice Co.
 Rice, C. W., Cons. Engr., Chemo. Mech. Water Improvement Co.
 Richards, G. M., Supt., Yarnall-Waring Co., Chestnut Hill.
 Riddell, A. H., Partner, Machold & Riddell.
 Rippey, S. H., Cons. Engr., 7012 Greene St., Germantown.
 Roberts, P., Jr., 717 Commercial Trust Bldg.
 Robinson, A. L., Cons. Engr., Barber Asphalt Paving Co.
 Rogers, F. H., Hyd. Engr. (I. P. Morris Co.), The William Cramp
 & Sons Ship & Engine Bldg. Co., Richmond and Norris Sts.
 Rueck, G., V. P., Messer Mfg. Co.
 Rusby, J. M., Engr. of Tests, United Gas Improvement Co.
 Ryan, F. J. (Jr.), Genl. Mgr., Elec. Furnace Constr. Co.
 Saalfrank, J. M., M. E., DeLong Hook & Eye Co.
 Sanderson, V. L., Dist. Sales Mgr., Terry Steam Turbine Co.
 Satherberg, C. H., Cons. Engr., 1752 N. 26th St.
 Schaeffer, C. F., Prop., Schaeffer Mch. Wks.
 Schaum, O. W., Pres., Schaum & Uhlinger, Inc.
 Schenck, C., Mgr., Budd Wheel Corp.
 Schranz, F. G., Mgr. Hyd. Dept., Southwark Fdy. & Mach. Co.
 Schreiber, H. V., Research Engr., E. W. Clark & Co.
 Schultz, C. H., Engr., Salesman, Horo Mfg. Co.
 Schultz, J. L., Mech. and Designing Engr., Am. Engrg. Co.
 Schulz, G. E., Taylor Cooperators.
 Scott, J. B., Day & Zimmermann.
 Seavey, C. L. (Jr.), Industrial Engr., Miller Lock Co.
 Sellers, C., Jr., Pres., Engr., Wm. Sellers & Co., Inc.
 Seth, G. L. (Jr.), Instr. Shipbuilders Training Sch. of Am. Internatl.
 Shipbuilding Co.
 Severs, E. B., Engr. Constr. Dept., United Gas Improvement Co.
 Shaw, A. D., 611 W. Upsal St., Germantown.
 Shaw, J. C., Turbine Engr., Wm. Cramp & Sons Ship & Eng. Bldg. Co.
 Shelley, H. V. (Jr.), Claim Dept., The United Gas Improvement Co.,
 1401 Arch St.
 Shelmire, W. H., Jr., M. E., 69th and Launton Ave., Oak Lane.
 Shuster, M. M. (Jr.), Mgr., Sedgley Garage.
 Sibson, H. E. (Jr.), M. E., Harrison Safety Boiler Wks.
 Siebert, F. T., Loco. Inspr. Interstate Commerce Com.
 Sinclair, G. M., Cons. Engr., Sales Engr., 618 Chestnut St.
 Skewis, E. G., Production Engr., C. H. Wheeler Mfg. Co.
 Smart, R. A., Tacony Steel Co., Tacony Ordnance Corp'n, Tacony.
 Smith, W., Special Work, Henry Disston & Sons, Inc., Tacony.
 Smith, W. J., Mgr., J. S. Thorn Co.
 Soderstrom, K. A., Designing Engr., Midvale Steel Co., Nicetown.
 Spackman, Major H. S., Pres., Henry S. Spackman Engrg. Co.
 Sponsler, C. F., Treas., W. P. Mackenzie Co.
 Starford, J. V., Prof. M. E., Univ. of Pa.
 Starkey, L. C., Prof. M. E., Drexel Inst.
 Steinmetz, J. A., Mem. of Firm, Janney, Steinmetz & Co.
 Stem, F. B., Engr. of Production, Day & Zimmermann.
 Stetson, J. B., Jr., Pres., Defiance Mfg. Co.
 Stevenson, A. A., V. P., Stand. Steel Wks. Co.
 Stirling, A., Drexel Bldg.
 Strachan, J. E., Shop Supt., Midvale Steel Co.
 Strobel, V. O., Genl. Mgr. Crane Dept., Niles-Bement-Pond Co.
 Stroud, W. F., Jr. (Jr.), M. E., Atlantic Refining Co.
 Stump, J., Jr., Genl. Elec. Co., Witherspoon Bldg.
 Suttil, A. G., 5015 Pentridge St.

PENNSYLVANIA, Philadelphia (Continued)

- Sutton, G. Z., Asst. Treas., Manager of Sales, Asst. Secy., Stokes & Smith Co., Summerdale Sta.
- Sweeten, A. W. (Jr.), Designing Engr., Simplex Valve & Meter Co.
- Tabor, L., Tabor Mfg. Co.
- Taussig, J. H., Engr. of Design, United Gas Improvement Co.
- Taylor, F. H., Pres., S. S. White Dental Mfg. Co.
- Taylor, H. B., V. P., Wm. Cramp & Sons Ship & Eng. Bldg. Co.
- Taylor, J. W., M. E., Frankford Arsenal.
- Taylor, R., Asst. Plant Supt., Phila. Elec. Co.
- Thomas, C. C., Am. Intl. Shipbuilding Corp'n.
- Thorne, W. H., M. E., Wm. Sellers & Co., Inc.
- Tilson, H. (Jr.), 1st Lieut., Ord. Dept., U. S. R., U. S. Govt., Frankford Arsenal.
- Townsend, D., Mech. and Cons. Engr., 1716 Spring Garden St.
- De Trampe, J. A., C. L., 1703 Spruce St.
- Trulitt, R. M., Genl. Mgr., F. J. Stokes Mch. Co.
- Turnbull, M. J., Cons. Engr., 1319 Pennsylvania Bldg.
- Twining, W. S., Dir. Dept. City Transit, City of Philadelphia.
- Tyson, J. S. Y., Engr., E. T. Stotesbury, Chestnut Hill.
- Vauchlain, A. C., 2416 N. 54th St.
- Vauchlain, S. M., Sr. V. P., Baldwin Loco. Wks.
- Wait, W. B. (Jr.), Asst. Engr., Franklin Sugar Refining Co.
- Waller, C. B. F., Engr. in charge of Boilers, Bureau of Water.
- Walsh, W. J., Plant Supt., Fayette R. Plumb, Inc., Bridesburg.
- Walton, A., Mfg. Acet., Industrial Engr., 133 S. 12th St.
- Wandless, F. W., Engr., Vapor-Vacuum Htg. Co.
- Warren, A. G., Genl. Supt., J. W. Parson Co.
- Watson, J. E. (Jr.), Asst. Power Engr., The Barrett Co.
- Webster, W. R., Cons. and Inspc. Engr., 411 Walnut St.
- Welch, J. B., Asst. Shop Supt. Hull Div., Navy Yard.
- Wells, W. H., Supt., M. E., George W. Blabon Linoleum Co., Nicetown.
- Werner, P. J. (Jr.), U. S. Insp., Panama Canal.
- Wharen, G. B., Instr. Exper. Engrg., Univ. of Pa.
- Wheatley, G. S. (Jr.), Secy. to V. P., Midvale Steel Co.
- Wheeler, C. H., V. P., Genl. Mgr., C. H. Wheeler Mfg. Co.
- Wheeler, C. H., Jr., C. H. Wheeler Mfg. Co.
- Whitham, J. M., Cons. Engr., 607 Bullitt Bldg.
- Whitney, C. S., Ch. Execution Supt., Genl. Accident, Fire & Life Assurance Corp., Ltd.
- Wilhelm, J. H., Supt. Gage Dept., Frankford Arsenal.
- Wilkins, C. N. (Jr.), Estimating Engr., Braemer Air Conditioning Corp'n.
- Wille, H. V., Asst. to V. P., Baldwin Loco. Wks., Cons. Metallurgist.
- Remington Arms Co. of Del., and Eddystone Ammunition Corp.
- Wilson, P. H., Cons. Engr., 1232 Land Title Bldg.
- Wood, A. C., Cons. Engr., 1203 New Stock Exch. Bldg.
- Wood, E. R., Jr. (Jr.), Sales Mgr., R. D. Wood & Co.
- Wood, J. H., Pres., East. Mchy. & Equip. Co.
- Wood, W., R. D. Wood & Co.
- Yarnall, D. R., V. P., Genl. Mgr., V. P., Nelson Valve Co., Chestnut Hill.
- Young, C. M., Jr. (Jr.), Draftsman, Link-Belt Co., 1422 Borie Ave.
- Yewdall, F. M., M. E., Wm. Steele & Sons Co.
- Zeller, J. H., Asst. Supt., Pa. Barrel Co.
- Zimmermann, J. E. (Jr.), Mem. of Firm, Day & Zimmermann.

Phoenixville.—Fish, E. R., V. P., Secy., Heine Safety Boiler Co.

PENNSYLVANIA (Continued)**Pittsburgh.**—Allen, H., Efficiency Engr., Pressed Steel Car Co.

Ambrose, R. B. (Jr.), Head Instr. Power Mch. Operation, Carnegie Inst. of Tech.

Anderson, R., Supt., Am. Loco. Co.

Angstrom, C. J., Ch. Draftsman, S. Diescher & Sons.

Armstrong, H. C. (Jr.), Capt. O. R. C., Insp., 531 Jenkins Arcade Bldg.

Arnold, E. E., V. P., Iron City Products Co.

Ashmead, C. B., Dist. Mgr., Richardson-Phenix Co.

Ayers, H. B., Genl. Mgr., H. K. Porter Co.

Bacharach, H., Bacharach Industrial Instrument Co.

Backlin, A. F., Constr. Engr., Am. Steel & Wire Co.

Baggaley, R., Pres., Am. Pyritic-Conversion Co.

Barbour, G. H., Asst. Ch. M. E., Carnegie Steel Co.

Barrett, J. H., Genl. Mgr., Stand. Steel Tank & Mfg. Co.

Barton, C. R. (Jr.), Engr., Edgewater Steel Co.

Bennett, C. W., Am. Sheet & Tin Plate Co.

Berg, J. D., V. P., Dravo-Doyle Co.

Biggert, F. C., Jr., Ch. Engr., United Engrg. & Fdy. Co.

Blaisdell, A. H. (Jr.), Instr. M. E., Carnegie Inst. of Tech.

Bleyer, C. F. (Jr.), Erecting Engr., Allis-Chalmers Mfg. Co.

Bockius, S. A., Contg. Engr., S. A. Bockius Co.

Bole, W. A., V. P., Charge of Mfr., Westinghouse Mch. Co., East Pittsburgh.

Bowman, F. M., V. P., Blaw-Knox Co.

Boyd, W. C., Asst. Engr., Pittsburgh Rys. Co.

Boyle, W. G., Mech. Supt., Engr., Estate of Henry W. Oliver, 232 Oliver Bldg.

Boyle, W. W. (Jr.), Asst. to Supt. of Central Power Plants, Estate of Henry W. Oliver, 232 Oliver Bldg.

Bradshaw, G. D., Pres., Andrews-Bradshaw Co.

Brashear, J. A., Chairman, John A. Brashear Co.

Breed-Love, L. B. (Jr.), Engr. Engrg. Dept., Natl. Tube Co.

Brennan, J., Capt., U. S. Corps of Engrs.

Breslove, J., Sales Engr., Allis-Chalmers Mfg. Co.

Brown, C. M., V. P., Colonial Steel Co.

Buck, T. E., Designer, United Engrg. & Fdy. Co.

Bunton, F. L., Mgr., E. Keeler Co.

Butler, W. A., Asst. Supt. Power Stas., Duquesne Light Co.

Cade, C. W., Mgr., McKinney Mfg. Co.

Chester, J. N., Chester & Fleming.

Clapp, G. H., Pres., Pittsburgh Testing Lab.

Coffin, W. C., V. P., Sales Mgr., Blaw-Knox Co.

Cornelius, H. R., Sales Engr., Mesta Mch. Co.

Crane, F. L. (Jr.), Statistician, West Penn Rys. Co.

Crawford, D. F., Genl. Mgr., Pa. Lines West of Pittsburgh.

Cullen, J. W., Sales Engr., Cambria, Midvale & Worth Bros. Steel Cos.

Cunningham, R. H. (Jr.), Sales Engr., Ingersoll-Rand Co.

Day, O. L. (Jr.), Asst. Engr., Harbison-Walker Refractories Co.

Diescher, S. E., Cons. Engr., S. Diescher & Sons.

Dowson, H. R., Draftsman, United Engrg. & Fdy. Co.

Earl, R. (Jr.), Asst. Engr., Morris Knowles, Inc.

Eastwood, S. K. (Jr.), Erecting Dept., Am. Bridge Co.

Eisenhart, H. W., Supply Sales Dept., Frick & Lindsay.

Elliott, G. F. (Jr.), Asst. Wks. Mgr., Elliott Co.

Elliott, W. S., Pres., Elliott Co.

PENNSYLVANIA, Pittsburgh (Continued)

- Ellis, F. I., Cons. Engr., 2126 Farmers Bank Bldg.
 Ely, S. B., Secy., Treas., Chester B. Albree Iron Wks. Co.
 Endsley, L. E., Prof., R. R. Mech. Engr., Ry. M. E., Univ. of Pittsburgh.
 Fawcus, T., Pres., Fawcus Mch. Co.
 Ferguson, L. D. (Jr.), Dist. Engr., The Permutit Co.
 Fickes, E. S., Engr., Pur. Agt., Aluminum Co. of Am.
 Fischer, C. L., M. P. Inspr., Pa. Lines West of Pittsburgh.
 Foller, C. S., Mgr. Sales, Union Spring & Mfg. Co.
 Fox, J. H., Ch. Engr., Pittsburgh Plate Glass Co.
 Freeman, P. J., Engr. of Tests, Pittsburgh Test Lab.
 Frohlieb, L. C., Secy., Federal Engrg. Co.
 Gardner, K. C., Sales Engr., United Engrg. & Fdy. Co.
 Gearhart, J. A., Genl. Mgr., Gulick-Henderson Co.
 Geddis, R. H., Salesman, Jones & Laughlin Steel Co.
 Gillies, W. F., Mgr., Ingersoll-Rand Co.
 Grant, Albert W., Jr., Asst. Supt., H. Koppers Co.
 Graves, J. M., Supt. Power Stas., Duquesne Light Co.
 Guba, P. M. (Jr.), Salesman, Jones & Laughlin Steel Co.
 Haines, J. E. (Jr.), Supv. Draftsman Power Sta. Dept., Duquesne Light Co.
 Hammond, H. S., Sales Agt., Pressed Steel Car Co.
 Hay, P. L., Contr. Engr., Sam'l W. Hay's Sons, 1408 Keenan Bldg.
 Hayes, L. W., Salesman, Worthington Pump & Mchy. Corp'n.
 Henderson, J. W., Ch. Bureau of Smoke Regulation, City of Pittsburgh, V. P., Gulick-Henderson.
 Herr, B. M., District Mgr., Edward Valve & Mfg. Co.
 Hibbard, R. L., Asst. Mgr., Gas Engr., Riter-Conley Co.
 Hildebrand, H. D., Pres., Hope Engrg. & Supply Co.
 Hiles, E. K., M. E., 567 Union Arcade Bldg.
 Hill, B. H., Pres., Steam Equip. Mfg. Co.
 Hill, D. M. (Jr.), Asst. to M. E., Philadelphia Co.
 Hindman, W. L., Supt., Duff Mfg. Co.
 Hobbs, J. C., Efficiency Engr., Asst. to Supt. of Power Stas., Duquesne Light Co.
 Hood, O. P., Ch. M. E. in charge Pittsburgh Sta., U. S. Bureau of Mines.
 Horton, E. J., M. E., Ruud Mfg. Co.
 Howarth, H. A. S., Assoc., Albert Kingsbury, Cons. Engr., 945 Oliver Bldg.
 Hunter, J. A., Steam and Sanitary Engr., Am. Sheet & Tin Plate Co.
 Irvin, R., Ch. Engr., R. Irvin & Co., Archs., Engrs.
 Jett, C. C. (Jr.), with Julian Kennedy, Bessemer Bldg.
 Jones, R. J. (Jr.), Steam Engrg. Dept., Am. Sheet & Tin Plate Co.
 Kaufman, E., Metallurgist on Steel, Farmers Bank Bldg.
 Kennedy, J., Engr., 1217 Bessemer Bldg.
 Kennedy, W., M. E., 714 Bessemer Bldg.
 Kenner, E. R. (Jr.), Westinghouse Elec. & Mfg. Co.
 Kingsbury, A., Cons. Engr., 945 Oliver Bldg.
 Knowles, M., Cons. Engr., 1200 B. F. Jones Law Bldg.
 Koch, F., M. E., Pressed Steel Car Co.
 Kohler, D. S., Genl. Supt., Oliver Iron & Steel Co.
 Kreislinger, H., Engr., U. S. Bureau of Mines.
 Kronfield, G. L. S., M. E., The Haynes Stellite Co.
 Kuhlen, F., Jr. (Jr.), Rm. 1302, Peoples Savings Bank Bldg.
 Ladd, G. T., Pres., George T. Ladd Co.

PENNSYLVANIA, Pittsburgh (Continued)

- Lakey, A. B., Assoc. Engr. with Albert Kingsbury, Cons. Engr., 1347 Oliver Bldg.
- Lange, H. B. (Jr.), Cost Accountant, Enameled Sanitary Ware Mfrs. Assoc.
- Laughlin, A., Pres., Central Tube Co.
- Laughlin, A., Jr. (Jr.), V. P., Central Tube Co.
- Lease, L. J., Dist. Mgr., Allen Bradley Co.
- Leland, E. D., Supt. Compressing Stations, Philadelphia Co. & Affiliated Corp'n.
- Lindemuth, F. L., H. Koppers Co.
- Lindstrom, C. A., Asst. to Pres., Pressed Steel Car Co.
- Lower, N. M., M. E., Loco. Stoker Co.
- Lynde, C. C. (Jr.), Engrg. Editor, Natl. Iron & Steel Publishing Co.
- McBane, W. W., Engr., United Engrg. & Fdy. Co.
- McClellan, Malcolm R., University Club.
- McClelland, E. S., Engr. Car and Steam Engrs., Westinghouse Mch. Co.
- McDermet, J. R., Exper. Engr., Elliott Co.
- McMillen, A. K., Ch. Engr., Alex. Laughlin & Co.
- Mann, H. B. (Jr.), Engr., Dravo-Doyle Co.
- Marshall, W. A. (Jr.), Engrg. Dept., Am. Sheet & Tin Plate Co.
- Maxfield, H. H., Supt. M. P., Pa. R. R. Co.
- Mendez, A. (Jr.), Checker, Engrg. Dept., Pressed Steel Car Co.
- Menges, H. P., Supt. D. S. Mills, Jones & Laughlin Steel Co.
- Mesta, G., Pres., Mesta Mch. Co.
- Moore, H. L. (Jr.), Dist. Mgr., Buffalo Forge Co.
- Moore, L. C., Pres., Lee C. Moore & Co.
- Moore, W. E., Pres., W. E. Moore & Co.
- Murphy, G. F., Charge Sales Office, Heine Safety Boiler Co.
- Newburn, T. W., Asst. Res. Engr., Southeast. Dist., Westinghouse Air Brake Co.
- Newton, G. D., 601 N. Beatty St.
- Noble, H. A., V. P., Pittsburgh Spring & Steel Co.
- Noble, R. E. (Jr.), M. E., Mesta Mch. Co.
- Nolan, M. W., 2300 E. Montgomery St.
- Osborne, L. E., M. E., Loco. Stoker Co.
- Parke, F. H., Res. Engr. S. E. Dist., Westinghouse Air Brake Co.
- Patterson, P. C., Ch. Engr., Natl. Tube Co.
- Peterson, E. T., Ch. Draftsman Engrg. Dept., Am. Steel & Wire Co.
- Pinkerton, A., E. E., Am. Sheet & Tin Plate Co.
- Porterfield, H. A., Mgr., Dexter Oil Co.
- Powell, W. W. (Jr.), Asst. Sales Mgr., Mesta Mch. Co.
- Reed, V. A., Jr., Treas., Federal Engrg. Co.
- Robinson, J. R., Pres., Robinson Ventilating Co.
- Ruud, E., Pres., Ruud Mfg. Co.
- Rust, W. F., V. P., Genl. Mgr., H. Koppers Co.
- Schreiber, J. W., M. E., Aluminum Co. of Amer.
- Seaver, K., Ch. Engr., Harbison-Walker Refractories Co.
- Sewell, J. G. C. (Jr.), United Engrg. & Fdy. Co.
- Shipley, G. B., Pres., Pittsburgh Wood Preserving Co., Pres., Ohio Wood Preserving Co., Pres., Mich. Wood Preserving Co., Pres., Acme Tie Co. of Mich., Pres., Century Coal Co.
- Smith, C. C., Pres., Union Steel Castings Co.
- Smith, P. F., Jr., Genl. Supt. M. P., Pennsylvania Lines West of Pittsburgh.
- Snyder, W. E., M. E., Am. Steel & Wire Co.
- Speer, J. R., Pres., Pittsburgh Iron & Steel Foundries Co., Oliver Bldg.

PENNSYLVANIA, Pittsburgh (Continued)

Stafford, B. E. D. (Jr.), V. P., Genl. Mgr., Flannery Bolt Co.
 Stevenson, B., Mgr. Power and Railway Depts., Westinghouse Elec. & Mfg. Co.
 Stewart, R. T., Prof. M. E., Univ. of Pittsburgh.
 Storer, N. W., Genl. Engr., Westinghouse Elec. & Mfg. Co.
 Straub, A. A. (Jr.), 301 Elysian St.
 Straub, T. A., V. P., Genl. Mgr., Fort Pitt Bridge Wks.
 Stringfellow, H. A., Designing Engr., Epping-Carpenter Pump Co.
 Stripe, W. C., Stoker Dept., Westinghouse Elec. & Mfg. Co.
 Stucki, A., Engr., Oliver Bldg.
 Stutz, C. C., Engr., Rittman Process Corp'n.
 Swarts, G. T., V. P., Steam Equip. Mfg. Co.
 Taber, G. H., V. P., Gulf Refining Co.
 Tate, J. M., Jr., Pres., Tate, Jones & Co., Inc.
 Terry, C. D., Asst. to Genl. Supt., Natl. Tube Co.
 Todd, J., Pres., Sterling Varnish Co.
 Townsend, H. W., Sales Engr., Aldrich Pump Co.
 Trinks, W., Prof. M. E., Carnegie Inst. of Tech.
 Trube, G. A., Export Mgr., Westinghouse Air Brake Co.
 Tuvln, J. H. (Jr.), Mgr., Tuvln Co.
 Wadsworth, F. L. O., Cons. Engr.
 Waters, W. L., Designing Engr., Westinghouse Elec. & Mfg. Co.
 Williams, D. C., M. E., 664 Maryland Ave.
 Willock, S. R., Asst. Sales Engr., United Engrg. & Fdy. Co.
 Wilson, H. D., Pres., Wilson Snyder Mfg. Co.
 Wilson, N. C., M. E., Dollar Savings and Trust Bldg.

Plymouth.—Parmely, J. C. (Jr.), Constr. Engr., Luzerne Co. Gas & Elec. Co.

Port Carbon.—Lotz, C. W., Ch. Engr., Coxe Traveling Grate Co.

Pottstown.—Benson, H. S. (Jr.), Y. M. C. A.

Boone, H. S. (Jr.), E. E., L. F. Shoemaker & Co.
 Jones, D. T., Genl. Mgr., Treas., Wilbraham Green Blower Co.
 Saylor, J. R., Prop., Pottstown Mch. Co.
 Welchans, B. G., Genl. Supt., Stanley G. Flagg & Co.

Punxsutawney.—Robinson, E. W., Pres., Genl. Mgr., Punxsutawney Fdy. & Mch. Co.

Van Kennen, H. H. (Jr.), M. E., Rochester & Pittsburgh Coal & Iron Co.

Quarryville.—Harkness, V. F. (Jr.), Lieut., U. S. N. R. F., Engrg. Asst., Pub. Serv. Elec. Co., Newark, N. J.

Rankin.—Broden, E. H., Supt. Rankin Wks., Am. Steel & Wire Co.

Reading.—Bell, J. M., M. E., Reading Iron Co.

Gilbert, E. M., Genl. Mgr., Metropolitan Elec. Co.
 Helzmann, L. J. (Jr.), V. P., Penn Hardware Co.
 Moore, E. A., Iron Founder, Robeson St., below Welser St.
 Poole, E. J., Genl. Supt., Carpenter Steel Co.
 Rahm, R. C., Ch. Engr., Textile Mch. Wks.
 Schuhmann, G., V. P., Genl. Mgr., Reading Iron Co.

Renovo.—Swope, B. M., (Jr.), Asst. M. M. Renovo Div., Pa. R. R. Co.

PENNSYLVANIA (Continued)**Ridgway.**—Dwight, R. W. (Jr.), M. E., Elk Tanning Co.

Norton, H. B., Ch. Engr., Elk Tanning Co.

Ridley Park, Pa.—Brown, Holcombe G., Cons. Engr.**Robesonia.**—Gocher, J. W., Supt. Robesonia Iron Co., Ltd.**Rochester.**—Clemons, Robert S., Supt., The Foundation Co.

Fry, H. S., Div. Supt., H. C. Fry Glass Co.

Rook.—Du Barry, E. G. (Jr.), Draftsman, Wabash Pittsburgh Terminal Ry. Co.**Scranton.**—Blair, G., Jr., Sales Engr., McClave-Brooks Co.

Clemens, A. B., Prin., Sch. M. E., Internatl. Corr. Schs.

Corbett, M. C. (Jr.), Draftsman, Spencer Heater Co.

Fitz Patrick, W. J., Wood Work Dept., Scranton Tech. High School.

Foster, R. G., V. P., Internatl. Text Book Co., Managing Editor, Colliery Engineer.

Fuller, R. W., E. E., 1530 Wyoming Ave.

Manchester, H. C., Supt. M. P. and Equip., D., L. & W. R. R. Co.

Van Valkenburgh, R. D., 511 Y. M. C. A.

Waddell, J. A., Jr., Genl. Supt., Spencer Heater Co.

Webber, H., M. E., Finch Mfg. Co.

Sewickley.—Carpenter, H. A.**Shamokin.**—Mullen, J., Genl. Mgr., John Mullen & Son.**Sharon.**—Acker, K. G. (Jr.), 468 E. State St.

Schulz, W. F., Ch. Engr., Savage Arms Corp'n.

Shaefer, F. R. (Jr.), Sales Mgr., Savage Arms Corp.

Walker, G. G. (Jr.), By-Product Coke Dept., Carnegie Steel Co.

Warren, G. S., Ch. Engr., Sharon Steel Hoop Co.

Young, J. E. (Jr.), Office of Maintenance Engr., Am. Steel Foundries.

Shawnee-on-Delaware.—Worthington, C. C.

Worthington, E. H., Shawnee Mower Co.

South Bethlehem.—Blakeley, G. H., Mgr. Struc. Steel Dept., Bethlehem Steel Co.

Bolton, J. W., Jr. (Jr.), Charge of Puddle Mill, Bethlehem Steel Co.

Colby, A. L., Cons. Engr., 447 Lehigh St.

Grover, C. L. (Jr.), Leading Draftsman Turrett Div. Ordnance Dept., Bethlehem Steel Co.

Harleman, S. T., Supt. Crucible Steel Dept., Bethlehem Steel Co.

Kersting, A. H., Charge Ordnance Inspec. Dept., Bethlehem Steel Co.

Klein, J. F., Dean of Faculty, Prof. M. E., Lehigh Univ.

Koplin, R. D. (Jr.), Bethlehem Steel Co.

Little, J. E., Ch. M. E., Spanish-Am. Iron Co.

Lowman, R. L., Ordnance Engr., Bethlehem Steel Co.

Lukens, W. L., Engr. Ordnance Dept., Bethlehem Steel Co.

Maguire, M. T., Supt. Power, Bethlehem Steel Co.

Pelly, J. F., M. E., Bethlehem Steel Co.

Roberts, A. L., M. E., Lehigh Valley R. R. Co.

Seem, C. B. (Jr.), Bethlehem Steel Co.

PENNSYLVANIA, South Bethlehem (Continued)

- Shaw, M. M. (Jr.), Merchant Mill, Bethlehem Steel Co.
 Shedd, T. C. (Jr.), Instr. in Civ. Engr., Lehigh University.
 Struble, G. W., Genl. Supt. Redington Plants Ordnance Dept., Bethlehem Steel Co.
 Sullivan, F. A., Ordnance Engr., Bethlehem Steel Co.

State College.—Bates, E. N., Jr., Asst. Prof. M. E., Pa. State College.
 Brown, A. I. (Jr.), Asst. Prof. M. E., Pa. State College.
 Dedrick, B. W., Instr. Mill Engrg., Pa. State College.
 Fehr, R. B. (Jr.), Asst. Prof. M. E., Pa. State College.
 Fessenden, E. A., Prof. M. E., Pa. State College.
 Haney, J. W., Exper. Engrg. Dept., Pa. State College.
 Jarrett, H. W. (Jr.), Instr. Mechanics and Materials of Constr., Pa. State College.
 Keller, J. O. (Jr.), Instr. Industrial Engrg., Pa. State College.
 Martin, W. H. (Jr.), Asst. Prof. M. E., Pennsylvania State College.
 Sackett, R. L., Dean of Engrg., Pa. State College.
 Wood, A. J., Assoc. Prof. Railroad M. E., Cons., M. E., Pa. State College.

Steelton.—Green, L. F. (Jr.), Ch. of Piece Rate and Bonus, Bethlehem Steel Co.
 Howells, F. E., M. E., Steelton Plant, Bethlehem Steel Co.
 Turner, C. P., Ch. Engr. Steelton Plant, Bethlehem Steel Co.

Stoneboro.—Farnham, T. L., Supt., Franklin Mfg. Co.

Sunbury.—Bennett, R. G., M. M., Pa. R. R. Co.

Swarthmore, Del. Co.—Blessing, G. F., Prof. Charge Engrg., Swarthmore College.
 Lewis, G. W., Asst. Prof. Engrg., Swarthmore College.

Uniontown.—Willard, L. L., Genl. Supt., W. J. Rainey Coke Co.

Vandergrift.—Anderson, H. L., M. M., Am. Sheet & Tin Plate Co.
 Bodwell, H. L., Asst. Dist. Mgr., Am. Sheet & Tin Plate Co.

Vernon.—Jones, L. B., M. M., Pa. R. R. Co.

Wampump, Lawrence Co.—Hughes, R. H., V. P., Genl. Mgr., Crescent Portland Cement Co.

Warren.—McGrall, F. J., Fdy. Supt., Struthers-Wells Co.
 Moyer, A. V., Asst. Engr., Struthers-Wells Co.

Washington.—Meharg, L., Asst. to Supt. of Power, Hazel-Atlas Glass Co.
 Smith, C. D. (Jr.), Supt., Hazel-Atlas Glass Co.

Wayne.—Lawrence, M. F. (Jr.), Engr., Hyatt Roller Bearing Co.

Waynesboro.—Allen, F. L., Rep., Landis Tool Co., Secy., Treas., Dugger Motor Sales Co., Indianapolis, Ind.
 Benedict, J. G., Secy., Treas., Mgr., Landis Mch. Co.
 Frick, A. O., Pres., Frick Co.
 Landis, M. H., Genl. Mgr., Supt., Engr., Landis Engrg. & Mfg. Co.

West Chester.—Weiler, R. B., Wks. Mgr., M. E., Sharples Separator Co.

PENNSYLVANIA (Continued)

West Homestead.—Ottesen, F., Ch. Engr., Gas Eng. Dept., Mesta Mch. Co.

West Newton.—Danforth, T. D. (Jr.), Plant Engr., U. S. Radiator Corp.

West Philadelphia.—Linch, E. P., 501 Woodland Terrace.

Wilkes-Barre.—Bunting, D., Ch. Engr., Lehigh & Wilkes-Barre Coal Co.
Dennison, W. N., Intl. Fabricating Corp'n.

Doughty, J. H., M. E., Lehigh & Wilkes-Barre Coal Co.

Flanagan, E. B. (Jr.), 65 W. South St.

Hamilton, J. V., Vulcan Iron Wks.

Morgan, H., 302-304 Second Natl. Bank Bldg.

Nicholson, S. T., Pres., Genl. Mgr., Vulcan Iron Wks.

Norris, R. V., Cons. Engr., 524 Second Natl. Bank Bldg.

Williamson School P. O., Del. Co.—Pratt, J. A., Dir., Williamson Free Sch. of Mech. Trades.

Snyder, F. W., Instr. Mchy., Williamson Free Sch. of Mech. Trades.

Williamsport.—Lynn, T. H. (Jr.), Sales Mgr., Lycoming Fdy. & Mch. Co.
Shepherd, W. G., Genl. Mgr., Shepherd Engrg. Co.

Sumner, E., Supt. M. P. Central Div., Pa. R. R. Co.

Wendle, G. E., Asst. Genl. Mgr., Lycoming Edison Co.

Young, J. H., Jr., Lubrication Engr., Texas Co.

Wilmerding.—Buenting, O. W., Genl. Supt., Westinghouse Air Brake Co.
Dudley, S. W., Ch. Engr., Westinghouse Air Brake Co.

Humphrey, A. L., V. P., Genl. Mgr., Westinghouse Air Brake Co.

Tonkin, E., Engr. Westinghouse Air Brake Co.

Turner, W. V., Mgr. of Engrg., Westinghouse Air Brake Co.

Westbrook, J. R. (Jr.), Student Apprentice, Westinghouse Air Brake Co.

Woodlawn.—Cronemeyer, H. C., M. E., Designer, Jones & Laughlin Steel Co.

Gressly, O. E., Ch. Engr., Jones & Laughlin Steel Co.

Wynnewood.—Thornton, W. F., 257 Hathaway Lane.

York.—Burgoon, C. E., Ch. Engr., Sandusky Cement Co.

Campbell, G., Pres., Genl. Mgr., York Rys. Co.

Farquhar, F., Genl. Mgr., A. B. Farquhar Co., Ltd.

Goodling, H. P., Sales Mgr., A. B. Farquhar Co., Ltd.

Ramsey, W. H. C., Hyd. Engr., York Water Co.

Rosenzweig, S., Cons. Engr. Steam Eng. Dept., York Mfg. Co.; Cons. Engr., Am. Spray Co.

Shipley, T., V. P., Genl. Mgr., York Mfg. Co.

Weaver, G. G. (Jr.), Dir. Industrial Dept., York High School.

PHILIPPINE ISLANDS

Cebu, Cebu.—Borromeo, C. O. (Jr.), 2 Asamblea St.

Laguna.—Camplen, N. G., Genl. Mgr., Calamba Sugar Estate, Canlubang.

Mambulao.—Allen, E. E., care of Mambulao Placer Co.

Manila.—Bell, P. J., Welch, Fairchild & Co., Inc.

PHILIPPINE ISLANDS, Manila (Continued)

- Blaisdell, B. H., Ch. Engr., Power Plant Dept., Manila Elec. R. R. & Light Co.
 Dod, F. H., Loco. Supt., Manila R. R. Co.
 Peacock, E. A., Wks. Mgr. Struc. Steel Fdy. and Mch. Shops, Atlantic, Gulf & Pac. Co.
 Reynolds, H. W., Cons. Engr., Prof. M. and E. E., Univ. of the Philippines.
 Stanton, T. B., Jr., Mgr., M. E. Dept., Frank L. Strong Mchy. Co.
 Wieland, C. F., Capt. O. R. C., U. S. A., Manila Ordnance Depot.
 Ycasiano, F. R., Mech. and Testing Engr. Bureau of Science, Dept. of Agri. and Natl. Resources.

San Carlos, Negros Occidental.—Kennedy, J. E., San Carlos Milling Co.

PORTO RICO.

- Arecibo.**—Burlingame, W. B., Arecibo Ice & Soda Water Co., Inc.
Fajardo.—Scherr, F., Jr., Ch. Engr., Fajardo Sugar Co.
Fortuna.—Nadler, H. A. (Jr.), Factory Supt., Central Fortuna.
Ponco.—Antonsantli, L., Contr. Engr., Mfrs.' Agt., P. O. Box 356.
 Junghans, E. K., Supt. of Fabrication, Ch. Engr., Succession J. Ser-
 rales, Central Mercedita.
San German.—Chandler, H. M., Supt. Constr., Bd. of Home Missions of
 Presbyterian Church of New York, N. Y.
San Juan.—Saldana, E. E., Sugar-house Cons. Engr., P. O. Box 906.
 Smith, W. W., Behn Bros., Inc.

RHODE ISLAND

- Auburn.**—Murphy, W. T., Genl. Mgr., Stand. Mchy. Co.
 Salmon, F. W., C. E., M. E., 274 Wellington Ave.
East Greenwich.—Bacon, D. L. (Jr.), Engrg. Dept., Gallaudet Aircraft
 Corp.
East Providence.—Fuller, A. A., 19 Hawthorne Ave.
Greene.—Blake, F. C. (Jr.), Engr. Research Lab., Nitrogen Products Co.
Newport.—Mason, E. P., Lieut. U. S. N. R. F., U. S. Navy, War College.
 Rooney, H. L. (Jr.), M. E., 251 Thames St.
 Taylor, L. B., Torpedo Engr., U. S. Naval Torpedo Sta.
Pawtucket.—Adams, C. E. (Jr.), First Sergeant Battery A, 103rd Reg.,
 Field Artillery, 26th Div., Am. Expeditionary Forces.
 Bliss, E. C., Lieut. U. S. N. R. F.
 Carpenter, J. M., Pres., Treas., Genl. Mgr., J. M. Carpenter Tap &
 Die Co.
 Davis, G. H. (Jr.), Secy., J. J. Kenyon Mfg. Co.
 Kent, E. R. (Jr.), 58 Sayles Ave.
 McDewitt, J. N. (Jr.), V. P., Asst. Treas., Lincoln Mch. Co.
 Muir, L. S. (Jr.), Ch. Draftsman, Dwight Seabury, 12 East Ave.
 Pratt, F. R., Mech. Supt., D. Goff & Sons.
 Seabury, D., Arch., Engr., 12 East Ave.

RHODE ISLAND, Pawtucket (Continued)

Simpson, R., Mch. Tool Designer, Potter & Johnston Mch. Co.
 Steere, R. E., Mech. Supt., Lorraine Mfg. Co.
 Westcott, V. S., Mech. Supt., J. & P. Coats, Inc.
 Willett, F. M. (Jr.), M. E., H. & B. Am. Mch. Co.

Peace Dale.—Simmons, H. R., Cons. Engr., P. O. Box 446.

Phillipsdale.—Mackenzie, M. (Jr.), Industrial Engr., Sayles Finishing Plants.

Providence.—Aldrich, J. G., Pres., N. E. Butt Co.

Annan, A. H., Supt., R. I. Tool Co.
 Bartlett, D. K., Asst. Treas., Builders Iron Fdy.
 Beaman, E. A., Treas., Beaman & Smith Co.
 Blanding, R. L., M. E., Jenks & Ballou.
 Brooks, J. A., Assoc. Prof. Mech., Brown Univ.
 Brown, E. W., V. P. & Secy., Blackstone Mutual Fire Ins. Co.
 Brown, W. S. (Jr.), Industrial Engr., F. P. Sheldon & Son.
 Buker, H., Asst. Secy. & Sales Mgr., Brown & Sharpe Mfg. Co.
 Burlingame, L. D., Industrial Supt., Brown & Sharpe Mfg. Co.
 Burr, F. A., 63 Lowell Ave.
 Burt, G. R., V. P., Franklin Mch. Co., Inc.
 Buttolph, B. G., V. P., Engr., Mfrs. Mut. Fire Ins. Co.
 Connet, F. N., Ch. Engr., Venturi Dept., Builders Iron Fdy.
 Cross, H. B., Secy., Genl. Fire Extinguisher Co.
 Dart, W. C., Pres., R. I. Tool Co.
 DeWolf, P. C., Asst. Treas., Brown & Sharpe Mfg. Co.
 Du Villard, H. A., M. E., 173 George St., East Side Sta.
 Estes, W. W., Asst. to M. E., Genl. Fire Extinguisher Co.
 Fournier, T. F., Cons. Engr., P. O. Box 1201.
 Freeman, J. R., Pres., Mfrs. Mut. Fire Ins. Co., Cons. Engr., N. Y. Bd.
 of Water Supply, New York, N. Y.
 Gilbreth, F. B., Pres., Frank B. Gilbreth, Inc.
 Giles, C. E., Agt., Am. & British Mfg. Co.
 Hall, J. A. (Jr.), Asst. Prof. M. E., Brown Univ.
 Hough, E. B., Pres., Wightman & Hough Co., Pres., Franklin Mch.
 Co.
 Hussey, W. E., V. P., Genl. Mgr., Providence Engrg. Corp'n.
 Huxford, G. T., Supt., Builders Iron Fdy.
 Jenks, R. P., Cons. Engr., Jenks & Ballou.
 Kenerson, W. H., Prof. M. E., Brown Univ.
 Kennedy, W. A., Testing Engr., Genl. Fire Extinguisher Co.
 Knight, E. R. (Jr.), 106 Peace St.
 Langeller, A. J., Pres., Designing Engr., Langeller Mfg. Co.
 Lewis, W. B., Cons. Engr., 740 Grosvenor Bldg.
 Loepsinger, A. J., M. E., Genl. Fire Extinguisher Co.
 McGregor, H. R., Mech. Supt., Brown & Sharpe Mfg. Co.
 McIntosh, S. F., Constr. Engr., 1401 Turks Head Bldg.
 MacLeod, F. N., Treas., Abrasive Mch. Tool Co.
 Makepeace, C. R., Arch., Mill Engr., C. R. Makepeace & Co.
 Mawson, R., Mawson Bros.
 Merritt, A. A., M. E., Brown & Sharpe Mfg. Co.
 Naumburg, R. E. (Jr.), Efficiency Engr., Revere Rubber Co.
 Ode, R. T., Secy., Providence Lithograph Co.
 Parks, E. F., Ch. Engr., Universal Winding Co.
 Pingree, E. D., V. P., Engr., Mfrs. Mut. Fire Ins. Co.
 Pitman, S. M., V. P., Narragansett Mut. Fire Ins. Co.

RHODE ISLAND, Providence (Continued)

Polk, R. W., Cons. Gas Engr., 193 Washington Ave.
 Putnam, F. W., Dir. Cooperative Course, Tech. H. S., Prin., Evening
 Tech. Sch.
 Richardson, C. G., Sales Engr., Builders Iron Fdy.
 Richmond, K. C., Mill Engr., 10 Weybosset St.
 Robertson, R. A., Ret., 705 Turk's Head Bldg.
 Sammis, N. L. (Jr.), Sales Engr., Builders Iron Fdy.
 Sargent, J. W., Mech. and Cons. Engr., 303 Benefit St.
 Sharpe, H. D., Treas., Brown & Sharpe Mfg. Co.
 Sharpe, L.
 Sheldon, A. N., Member of Firm, F. P. Sheldon & Son.
 Smith, G. H., Pres., Beaman & Smith Co.
 Titus, W. H., 111 Blackstone Blvd.
 Viall, W. A., Secy., Brown & Sharpe Mfg. Co.
 Walker, F. A., M. E., B. B. & R. Knight.
 Walker, S. G., Fire Protection Engr., Mfrs. Mut. Fire Ins. Co.
 Whitehead, G. E., M. E., Retired, 621 Broadway.
 Wightman, G. H., M. E., Gorham Mfg. Co.
 Wood, A. A. (Jr.), Sales Engr., Builders Iron Fdy.

Rumford.—Affleck, M. H. S., Engr., Rumford Chem. Wks.

Saylesville.—Dickerman, A. C., Sayles Finishing Plants.

Eberhardt, J. D. (Jr.), Engrg. Dept., Sayles Finishing Plants.
 Fisher, H. C. (Jr.), Mgr. of Engrg. Dept., Slater Trust Co.'s Bldg.
 Gates, T. P., Glenlyon Dye Wks.
 Herr, G. D. (Jr.), Dept. Supt., Sayles Bleacheries.
 Hussey, C. W. (Jr.), Sayles Bleacheries.
 Mandeville, T. C. (Jr.), Mech. and Constr. Engrg. Sayles Finishing
 Plants.
 Reno, H. P. (Jr.), Sayles Finishing Plants.
 Wood, K. F., Treas., Sayles Finishing Plants.

Slatersville.—Bancroft, W., Slatersville Finishing Co.

Keables, A. D. (Jr.), M. E., Slatersville Finishing Co.

Woonsocket.—Blackall, F. S., V. P., Genl. Mgr., Taft-Peirce Mfg. Co.

Carpenter, R. E., Sales Mgr., Taft-Peirce Mfg. Co.
 Glass, W. C. (Jr.), 114 Collins St.
 Kent, R. W. (Jr.), 1st Lieut., Ordnance, U. S. R., 203 Providence St.
 Richardson, C. F., Ch. M. E., Taft-Peirce Mfg. Co.
 Sweeney, M. M., Treas., Fairmount Foundry Co.

SOUTH CAROLINA

Charleston.—Gibson, J. E., Mgr. & Engr., Commissioner of Public Wks.

Kehoe, D. E., Asst. Shop Supt. Hull Div., U. S. Navy Yard.
 Le Tellier, L. S., Prof., Head of Dept. of Drawing, The Citadel
 Military College of South Carolina.
 Thornhill, T. W. (Jr.), Charleston Oil Co.
 Wait, J. R., Mgr., Charleston Ore Co.
 Walser, A., Genl. Asbestos & Rubber Co.

Clemson College.—Earle, S. B., Dir. Engrg. Dept., Prof. M. E., Clemson
 Agri. College.

Columbia.—Davis, O. M., Genl. Supt., Oil Mill, Swift & Co.

Kenyon, A. L., Genl. Mgr., Columbia Ry., Gas & Elec. Co.

SOUTH CAROLINA (Continued)

Georgetown.—Darlington, W., Cons. Engr.

Greenville.—Jackson, F. R. (Jr.), Asst. Engr., J. E. Sirrine, Mill Engr. and Arch., P. O. Box 603

Greenwood.—McKissick, E. S. (Jr.), Engr., Grendel Mills.

Hartsville.—Coker, J. L., Jr., V. P., Carolina Fiber Co.

Spartanburg.—Patch, J. A. (Jr.), Sales Mgr., M. E., Suspension Bearing Co.

Griffiths, L. L., Genl. Supt., Clinchfield Portland Cement Corp.

Winnsboro.—Dickinson, A. R., Mill Mgr., Lockwood, Greene & Co.

SOUTH DAKOTA

Brookings.—Cook, R., Prof. Exper. Engrg., S. D. State College.

Lead.—Staple, S. J., Draftsman, Designer, Homestake Mining Co.

Vermillion.—Davidson, M. W., Prof. M. E., Univ. of S. D.

TENNESSEE

Alton Park.—Hatman, J. G., Supt., Chattanooga Gas & Coal Products Co.

Chattanooga.—Agner, O. B. (Jr.), Genl. Mgr., Loomis & Hart Furniture Co.

Berry, A. O., Senior M. E., Interstate Commerce Com.

Catlin, A. D., V. P., Wks Mgr., Wheland Co.

Daniels, S. H., Sales Mgr., Walsh & Weidner Boiler Co.

Jackson, P. (Jr.), Ch. Engr., Walsh & Weidner Boiler Co.

Lyle, A. B. (Jr.), Supt., Stickney & Montague Co.

McClelland, C. C. (Jr.), Power Sales Engr., Chattanooga Ry. & Light Co.

Patterson, E. C., Secy., Genl. Mgr., Chattanooga Boiler & Tank Co.

Petersen, S., Ch. Engr., Lucey Mfg. Corp'n. of Tenn.

Rigdon, C., Supt. Light and Power, Chattanooga Ry. & Light Co.

Sanders, N., Prop., Newell Sanders Plow Co.

Semans, F. W. (Jr.), Co. 3, R. O. T. C., Military Branch.

Soper, E., Cons. Engr.

Stickney, C. A., Proprietor, Stickney & Montague.

Stimmel, F. C., Sales Mgr., Casey-Hedges Co.

Zilen, V. W., Asst. Engr., Lucey Mfg. Corp'n. of Tenn.

Johnson City.—Shearer, D. R., Cons., Engr., Burrow Bldg.

Kingsport.—Flexer, S. E., Genl. Supt., Clinchfield Portland Cement Corp.

Knoxville.—Ferris, C. E., Prof. M. E., Dean of Engrg., Univ. of Tenn.

Jones, F. R., 1702 Melrose Pl.

McKinney, W. P. (Jr.), U. S. N. Flying Corps, Naval Aviation Detach., Mass. Inst. of Tech., Cambridge, Mass.

Switzer, J. A., Cons. Engr., Prof. Hyd. and Sanitary Engrg., Univ. of Tenn.

La Follette.—Weigel, R. (Jr.), La Follette Coal & Iron Co.

TENNESSEE (Continued)

McKinney.—McKenney, P. K., Treas., Gen. Mgr., Texas Cotton Mill Co.

Maryville.—Biggs, W. E., M. M., Ch. Engr., Aluminum Co. of Am.

Memphis.—Alexander, L. B., Ch. Engr., Standard Cotton Co.

Allen, T. H., Cons. Engr., 205 Bank of Commerce Bldg.

Gardner, W. M., U. S. Asst. Engr., Engr. Dept., P. O. Box 1027.

Gladfelter, H. S., Junior M. E., U. S. Engr. Office.

Proutt, F. G., Cons. Engr., 374 Randolph Bldg.

Shea, T. F. (Jr.), Engr., Canal Constr. Co.

Turner, G. S., Supt., Memphis Gas & Elec. Co.

York, R., V. P., Treas., York Lumber & Mfg. Co., V. P., Grant Lumber Co.

Nashville.—Ellen, W. H., Secy., Treas., Allen-Scales Engrg. Co.

Badger, H. S., Supt. Power Sta., Nashville Ry. & Light Co.

Bixby, W. P., E. E., Nashville, Chattanooga & St. Louis Ry.

Brown, C. S., Prof. M. E., Vanderbilt Univ.

Crawford, C. H., Asst. Engr. Mech. Dept., Nashville, Chattanooga & St. Louis Ry.

Pfeiffer, B. V. (Jr.), Engr., Nashville Gas & Htg. Co.

Richard City.—Klein, W. H., Genl. Supt., Dixie Portland Cement Co.

Rockwood.—Howie, H. B., Ch. Engr., Roane Iron Co.

Winchester.—Brown, H. T., Pres., H. T. Brown & Co. Lander, R. S., C. E.

Lander, Rosewell S., Highway Engrs.

Wainright, A. V., V. P., Genl. Mgr., Am. Pub. Serv. Co.

TEXAS

Amarillo.—Mayer, E. R., Supt., Constr. Engr., City Light & Water Co.

Brownsville.—Gallagher, C. W. (Jr.), First Lieut., Ia. Engrs.

Burkeville, Newton Co.—Burrow, E. A.

Camp Logan.—McDonald, H. D., Lieut., 131st U. S. Inf.

Cleburne.—Evans, M. J. (Jr.), Spec. Apprentice, Gulf, Colo. & Santa Fe R. R. Co.

College Station.—Fermier, E. J., Prof. M. E., Agri. and Mech. College of Tex.

Smith, H. E., Prof. Steam Engrg., Supt. Power Plant, Agri. and Mech. College of Tex.

Corpus Christi.—Stark, W. E. (Jr.), Lieut. C. Company, 5th Engrs.

Dallas.—Elrod, H. E., Cons. Engr., 505 Interurban Bldg.

Flagg, S. B. (Jr.), Fuel Expt., Elec. Bond & Share Co.

Gildehaue, R. F., Jr., Supvg. Engr., Busch Bldgs.

Moeller, W., Genl. Supt., Houston Wks., Tex. Portland Cement Co.

Murray, E. F. (Jr.), Sales Engr., Lummus Cotton Gin Sales Co.

Rosencrants, F. H. (Jr.), M. E., Texas Power & Light Co.

Scott, A. C., Pres., The Scott Engrg. Co.

TEXAS (Continued)

El Paso.—Bergman, J. G., M. E., David Cole, Cons. Engr., 1211 Mills Bldg.

Heidelberg, F. M., Designing M. E., Mexico Dept., Am. Smelting & Refining Co.

Vandemoer, J., Constr. Engr., Mex. Dept., Am. Smelting & Refining Co.

Ireland, M. L., Major, Quartermaster Corps, U. S. A.

Fort Bliss.—Been, P. (Jr.), Corp., 9th Engr. Train, Courchesne, Bridge, El Paso, Texas.

Fort Worth.—Barrows, L. E., Tex. Co.

Gage, W. P., First V. P., Genl. Supt., Lone Star Gas Co.

Slater, W. A., Supt., Gulf Refining Co.

Freeport.—Austin, P. P., Jr. (Jr.), Engr. of Tests, Freeport & Sulphur Co.

Burns, H. S., Supt. of Constr. and Operation of Plants, Freeport Sulphur Co.

Houston.—Aagaard, A. H. (Jr.), Instr., Rice Inst.

Colles, G. W., Cons. E. and M. E., 301 Kress Bldg.

Crawford, C. C., Jr. (Jr.), Houston Mgr., A. M. Lockett & Co., Ltd.

Dawson, V. S. (Jr.), Supt., Fidelity Cotton Oil Co.

Dorrance, G. W. (Jr.), 9 Courtland Pl.

Edgar, O. N. (Jr.), Engr-in-Charge Industrial Dept., Chamber of Commerce.

Fenton, P. (Jr.), Engr., Hughes Tool Co.

Fletcher, H. W. (Jr.), Engr., Hughes Tool Co.

Fritz, A. L. G. (Jr.), Flying Cadet, 2d Prov. Training Squadron, Ellington Field.

Frost, F. G., Genl. Supt., Houston Ltg. & Power Co.

Hildenbrand, H., Genl. Supt., Houston Cotton Oil Mill.

Hogue, W. H., Mgr., Magnus Co., Inc.

Hosmer, F. E. (Jr.), Mech. & Cons. Engr., Gulf Pipe Line Co.

Hughes, H. R., Pres., Hughes Tool Co.

Hull, B. E., Engr. Refining Dept., Texas Co.

Kincade, E. C., Ch. Engr., Gulf Pipe Line Co.

Lucke, H. R., V. P., Hughes Tool Co.

Netherwood, J. S. (Jr.), Ch. Draftsman M. P. Dept., South. Pacific Lines.

Palmer, G. A. (Jr.), Mgr., De La Vergne Eng. Co.

Pound, J. H. (Jr.), Instr. M. E. Rice Inst.

Scott, C. N., V. P., Producers Oil Co.

Shallcross, A. W., Ch. Engr., Intl. Marine Iron Wks.

Smith, F. C., Pres., Petroleum Refining Co., V. P., Am. Petroleum Co.

Steen, A. B., Producers Oil Co.

Stureman, Robert V. (Junior, 1917), Quartermaster Corps, Camp Logan.

Vick, A. T., E. and M. E., 621 Chronicle Bldg.

Westerfield, G. S. (Jr.), Dist. Mgr., Hooven, Owens, Rentscheler Co., Warren Webster & Co.

Wilson, R. A., Mgr. Mfg. Dept., Lucey Mfg. Corp.

Marshall.—Salisbury, R. W., M. E., Tex. & Pac. Ry.

Mercedes.—Shaw, W. F., Ch. Engr., Genl. Mgr., Am. Rio Grande Land & Irrigation Co.

TEXAS (Continued)

Palestine.—Knoebel, C. B. (Jr.), Ch. Draftsman, Internatl. & Great No. Ry. Co.

Paris.—Gill, M. F. (Jr.), 73 S. 25th St.

Port Arthur.—Capen, F. B. (Jr.), Eff. Engr., The Texas Co.
Henderson, H., Cons. Engr., Gulf Refining Co.
McFarland, A., Master, U. S. Engr. Dept., U. S. Engr. Office.
Swinney, S. L. (Jr.), Texas Co.

Port Neches, Jefferson Co.—Horton, M. G. (Jr.), Engr., The Tex. Co.

San Antonio.—Jones, R., Mem. of Firm, Thomas & Jones.
Tuttle, W. B., V. P., San Antonio Traction Co.

Texas City.—Chapman, H. B., Mgr., Chapman Engrg. Co.

Waco.—Shaw, J. D., Asst. Engr., Tex. Power & Light Co.
Shaw, J. W., Capt. Co. D, 107th Regiment Engineers, Camp McArthur,

UTAH

Garfield.—Haasis, P. W. (Jr.), Machinist, Garfield Smelting Co.
Lillie, G. W. (Jr.), M. M., Bingham & Garfield Ry.
Buck, C. F., Ch. Engr., Garfield Smelting Co.

Midvale.—Anderson, L. D., Supt., U. S. Smelting Co.

Salt Lake City.—Bailey, L. M., Genl. Mgr., Portland Cement Co. of Utah.

Beckstrand, E. H., Prof. M. E., Univ. of Utah.
Cheever, M., Ch. Engr., Utah Power & Light Co.
Davoud, V. Y., E. and M. E., Utah Power & Light Co.
Egleston, O. J., Ch. Engr., U. S. Smelting, Refining and Mining Co.
Ferguson, H. M., Supt., Steam Htg. Serv., Utah Power & Light Co.
Hull, M. R., Mech. Engr., Sissert Mining Co., Ltd., of London.
Jennens, A. E. (Jr.), Constr. Foreman, Phoenix Constr. Co.
Rattle, P. S., Midvale Steel Co.
Stockwell, R. K., West. Mgr., Robins Conveying Belt Co.
Thurston, W. R., Mgr., Mine & Smelter Supply Co.
Trask, W. H., Jr. (Jr.), Sales Engr., Salt Lake Hardware Co.
Wegg, D. S., Jr., Mgr., Telluride Realty Co.
Wrath, W., Genl. Mgr., Internatl. Smelting & Refining Co.

VERMONT

Bellows Falls.—Lovely, J. E., Vermont Farm Mch. Co.

Bennington.—Beach, C. S. (Jr.), Designer, Machinist, 745 Main St.

Brattleboro.—Oak, J. H., Supt., Natl. Automatic Mch. Co.

Burlington.—Robinson, E., Prof. M. E., Univ. of Vt.

Proctor.—Proctor, R., Genl. Sales Agt., Vt. Marble Co.

Rutland.—Boyd, E. M. (Jr.), Asst. Supt., Rutland Mfg. Co., Inc.
Steward, G. H., Charge Designing, Supt. Constr. of Mchs., L. & J. A. Steward.

VERMONT, Rutland (Continued)

White, E. F., Pres., Rutland Mfg. Co., Inc.

St. Johnsbury.—Bousfield, A., Ch. Engr., E. & T. Fairbanks & Co.

Stuart, H. H. (Jr.), Asst. to Factory Supt., E. & T. Fairbanks & Co.

Sheldon Springs.—Raymond, H. E., Vice Pres., Tissisguier Pulp & Paper Co.**Springfield.**—Beal, H. S., Asst. to Genl. Mgr., Jones & Lamson Mch. Co.,

Beardsley, W. H., Asst. Supt., Jones & Lamson Mch. Co.

Bryant, W. L., Pres., Bryant Chucking Grinder Co.

Fellows, E. R., Pres., Genl. Mgr., Fellows Gear Shaper Co.

Flanders, R. E., Mgr., Jones & Lamson Mch. Co.

Fullam, E. J., Treas., Fellows Gear Shaper Co.

Hamilton, D. T., Advertising Mgr., Fellows Gear Shaper Co.

Hartness, J., Pres., Jones & Lamson Mch. Co.

Lovejoy, F. P., Pres., Lovejoy Tool Co., Inc.

Perry, G. A., M. E., Jones & Lamson Mch. Co.

Russell, W. W., Supt. Fay Lathe Dept., Jones & Lamson Mch. Co.

Slomer, W. F., Genl. Sales Mgr., Serv. Engr., Fellows Gear Shaper Co.

Woolson, W. D., Treas., Jones & Lamson Mch. Co.

Swanton.—Hall, W. H., Wks. Engr., The Remington Arms Union Metallic Cartridge Co.

Wright, P. D. (Jr.), 1st Lieut. Ord. Dept., U. S. R., Remington Arms U. M. C. Co

Windsor.—Gridley, G. O., Mgr., Natl. Acme-Mfg. Co.

Henn, O. L. (Jr.), Supt., Natl. Acme Co.

Parker, D. H., Pur. Agt., Natl.-Acme Mfg. Co.

VIRGINIA**Blacksburg.**—Cook, Henry P., Draftsman, Newport News Shipbuilding and Drydock Co.

Gudheim, H. E., Assoc. Prof. Graphics, Va. Poly. Inst.

Johnson, J. S. A., Prof. Applied Mech. and Exper. Engrg., Va. Poly. Inst.

Randolph, L. S., Cons. Engr.

Bristol, (Va.-Tenn.).—Hansen, H. C. (Jr.), Supt., Bristol Gas & Elec. Co., Watauga Power Co.**Charlottesville.**—Thornton, W. M., Prof. Applied Math., Dean Dept. of Engrg., Univ. of Va.**City Point.**—Evans, D. F., Efficiency Engr., Hopewell Wks., E. I. du Pont de Nemours & Co.

Haff, R. E. T. (Jr.), Exper. Engr., E. I. du Pont de Nemours & Co.

Lee, C. G. Jr., Powder Maker, E. I. du Pont de Nemours & Co.

Munyan, E. A. (Jr.), Asst. Naval Insp. of Powder E. C., U. S. N., Du Pont Co., Gun Cotton Labs.

St. Clair, P., Jr. (Jr.), Spec. Asst. Mech. Supt., E. I. du Pont de Nemours & Co.

Warden, G. L. (Jr.), Power Supt., E. I. du Pont de Nemours & Co.

Wilson, A. L., Engr. of Tests, E. I. du Pont de Nemours & Co.

VIRGINIA (Continued)

Covington.—Flannagan, E. G. (Jr.), Engr., Draftsman, West Va. Pulp and Paper Co.

Luke, W. A., Mgr., Covington Mills, W. Va. Pulp & Paper Co.

Rearick, C. B., V. P., Mgr., Covington Mch. Co.

Danville.—Davison, C. M. (Jr.), Genl. Mgr., Westbrook Elev. Co.

Ft. Monroe.—Benedict, B. W. (Jr.), 8th Training Co., C. A. C.

Butterfield, T. E., Capt. C. A. N. A.

Cassidy, P. R. (Jr.), Capt., Coast Artillery Officers' Reserve Corps.

Ede, A. B. (Jr.), 8th Training Co., C. A. C.

Mann, C. P. (Jr.), Candidate, Coast Artillery Officers' Reserve Corps.

Lynchburg.—Dabney, J. C., Jr. (Jr.), Supt., Glamorgan Pipe & Fdy. Co.

Wiley, E. C., Cons. Engr., Wiley & Wilson.

Monroe.—Fuqua, L. M., Genl. Foreman, South Ry. Co.

Newport News.—Ashby, C., Chargeman, Engrg. Dept., N. N. S. & D. Co.

Fell, S. G. (Jr.), First Lieut. Sanitary Corps. Port of Embarkation.

Johnston, A., Jr., Lieut. U. S. N. R., Office of Insp. of Mchy., U. S. Navy.

Ross, T. W. (Jr.), Supt. Repairs and Docks, Newport News Shipbuilding & Dry Dock Co.

Norfolk.—Bosworth, W. M., M. E., Norfolk So. R. R. Co., Berkley Sta.

Coverdale, E. J., Sales Engr., Fairbanks-Morse Co.

Halama, F. D. H. (Jr.), Mech. Draftsman Pub. Wks. Dept., Norfolk Navy Yard.

Henley, E. K. (Jr.), Lieut., U. S. N. R. F.

Masi, F. H., Pres., Treas., Atlantic Iron Wks., Inc.

Shepard, G. H., Efficiency Engr., Navy Yard.

Petersburg.—Reimer, A. A., Major, 1st Battalion, 305th Engineers, U. S. N. A., Camp Lee.

Smith, H. L., Jr. (Jr.), 1st Lieut., First Regiment of Engrs., care of Am. Expeditionary Forces, France via New York; Secy., Horace L. Smith & Co., Inc.

Portsmouth.—Serbell, C. V. (Jr.), C. H. Engr., Portsmouth Cotton Oil Refining Corp.

Rapidan.—Jurgensen, J. C., Major, O. Dept.

Richmond.—Archer, E. R., Ch. Engr., Tredegar Co.

Brauer, R. C. (Jr.), Draftsman, City Engrg. Depts. of Richmond.

Budwell, L. (Jr.), M. E., Richmond, Fredericksburg & Potomac R. R. Co., Washington South. Ry. Co.

Cameron, B. H., Pres. Cameron Stove Co.

Farley, E. W., Pres., Richmond Engrg. Co.

Hilgartner, G. H., Cons. Engr., Export Leaf Tobacco Co., British Am. Tobacco Co.

Johnston, J. A. (Jr.), Partner, Carmeal & Johnston.

*Lancaster, W. C., E. & R. C., U. S. A.

Lassiter, R. R. (Jr.), Shop Engr., Richmond Forgings Corp.

Lee, William F., Genl. Mgr. Richmond Metal Products Co., Inc.

Ray, W. T., V. P., Ray Subtracto-Adder Co.

VIRGINIA, Richmond (Continued)

Roelker, C. J., Cons. Engr., State Bank Bldg.
 Scrivenor, A., Cons. Engr., Mutual Bldg.
 Street, G. L., Jr., V. P., J. R. Johnson & Co., Inc.
 Taurman, A., Supt. Rolling Stock, Va. Ry. & Power Co.
 Willis, E. J., Mutual Bldg.

Roanoke.—Kearney, A., Asst. Supt. M. P., Norfolk & West. Ry.
 Pilcher, J. A., M. E., Norfolk & West. Ry. Co.
 Quinn, C. H., Ch. Elec. Engr., Norfolk & West. Ry. Co.
 Wallis, P., Hotel Roanoke.

Saltville.—Hopkins, G. J., Mathieson Alkalie Wks.
 Mount, W. D., Genl. Mgr., Mathieson Alkali Wks.

University.—Hodge, H. S., Cons. Engr.
 Lapham, J. S., Adjunct Prof. of Exper. Engrg., Univ. of Va.

Williamsburg.—Bechtel, J. A.

WASHINGTON

American Lake.—Hays, J. C., Maj., Officer in Charge of Utilities, Camp Lewis.

Bellingham.—Donovan, P. L. (Jr.), Pur. Agt., Bloedel Donovan Lumber Mills.

Bremerton.—Mass, E. F., Ch. Draftsman, Navy Yard, Puget Sound.

Concrete.—Pierce, B. B., Supt., Ch. Engr., Wash. Portland Cement Co.

Puget Sound.—Maas, E. F., Ch. Draftsman Mchy. Div., Navy Yard.

Pullman.—Buerstatte, F. W., Assoc. Prof. M. E., Washington State College.

Seattle.—Allen, W. D., Cons. and Contr. Htg. and Vent. Engr., 951 Stuart Bldg.

Barnes, E. L., Dist. Mgr., Am. District Steam Co.

Beecher, H. W., Mgr. Seattle Office, Chas. C. Moore & Co., Engrs.

Bornhorst, A. H. (Jr.), care of Seattle Mch. Wks.

Buerstatte, F. W., Salesman, Hoffius Steel & Equip. Co.

Bushnell, L. T., Secy., Treas., Rockwood Sprinkler Co.

Dyer, R. M., M. E., V. P., Treas., Puget Sound Bridge & Dredging Co.

Eastwood, E. O., Prof. M. E., Univ. of Wash.

Flateboe, E. I., Supt., Vulcan Mfg. Co.

Frink, F. G., V. P., Secy., Wash. Iron Wks.

Frink, G., V. P., Mgr., Wash. Iron Wks.

Hays, L. T., Tramway Engr., U. S. Steel Products Co.

Hefferman, J. T., Pres., Hefferman Eng. Wks.

Hetzel, R. F. (Jr.), Engr.-Draftsman, Ames Shipbuilding & Drydock Co.

Hull, J. D., M. E., 354 Colman Bldg.

Isham, A. K., Pres., Genl. Mgr., West Coast Iron Wks.

Lamont, C. B., Engr., O. R. C., U. S. A., Ret., Hoge Bldg.

MacBriar, W. N., Ch. Engr., Carnation Milk Products Co.

WASHINGTON, Seattle (Continued)

Macintire, H. J., Asst. Prof. M. E., Univ. of Wash.
 Monteagle, R. C., Pres., Genl. Mgr., Pacific Constr. & Engrg. Co.
 Moses, L. L., Cons. Engr., 1715 Harvard Ave.
 Naess, R. (Jr.), Pac. Coast Mgr., Philippine Vegetable Oil Co., Inc.
 Newell, W. L., Skinner Syndicate.
 O'Leary, D., Mchy. Inspr., U. S. Shipping Bd., Emergency Fleet Corp'n.
 Paterson, J. V., 1025 Boylston Ave., N.
 Royal, J. M. (Jr.), M. E., Seattle Astoria Iron Works.
 Sheedy, J. E., Asst. Mgr., Seattle Constr. & Dry Dock Co.
 Sumner, H. W., L. C. Smith Bldg.
 Weber, E. L. F., Cons. Domestic Engr., 723-724 Seaboard Bldg.
 Willette, C. W., Cons. Engr., Lock Box 156.
 Wilson, G. S., Assoc. Prof. M. E., Univ. of Wash.

Spokane.—Carpenter, C. I. (Jr.), Supt. Bldgs. and Grounds, Sch. Dist. 81.

Miller, H. G., Mech and Refrig. Engr., 1021 W. Boone Ave.
 Russell, F. (Jr.), Agt. Commer. Dept., Wash. Water Power Co.
 Wilbur, R. T., Cons. M. E., P. O. Box 566.

Tacoma.—Ord, H. C., Ch. Engr., Puget Sound Iron & Steel Wks.
 Roberts, E. D., V. P., Puget Sound Iron & Steel Wks.
 Westwater, Andrew, Ch. Engr., G. M. Standifer Constr. Corp'n.

Walla Walla.—Ferguson, W. C., V. P., Treas., Asst. Mgr., Walla Walla Iron Wks.

WEST VIRGINIA

Bluefield.—Bowles, W. A., Jr. (Jr.), Engr. Constr. Dept., Appalachian Power Co.

Charleston.—Morgan, J. T. (Jr.), Dist. Sales Agt., Ohio Brass Co.
 Ward, C. E., Pres., Charles Ward Engrg. Wks.
 Wood, G. R., Pres. Wet Branch Mining Co., Union Bldg.

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Fairmount.—Maurer, D. A., Ch. Engr., Monongahela Valley Traction Co.

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Grafton.—Maysilles, J. H., V. P., Genl. Mgr., Hefner & Maysilles.

Huntington.—Monaghan, W. I. (Jr.), Sales Engr., Armstrong Cork & Insulation Co.

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 Emory, F. L., Prof. Mech. and Applied Math., W. Va. Univ.
 Jones, C. R., Dean College of Engrg., Prof. Steam and Exper. Engrg., W. Va. Univ.

Saltville.—Martin, F. M.

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 Von Bayer, A. H., Supt., Semet-Solvay Co.
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 Swanberg, F. L., Ch. Engr., Richardson-Phoenix Co.
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 Thorp, J. R. (Jr.), Mech. Engr., Allis-Chalmers Mfg. Co.
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 Uihlein, W. B. (Jr.), Genl. Supt., Jos. Schlitz Brewing Co.
 Vogt, R. F., Cons. M. E., Allis-Chalmers Mfg. Co.
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 Wintzer, R., 687 Farwell Ave.
 Wood, J. M. (Jr.), Draftsman Equip. Dept., Falk Co.
 Woody, G. V. (Jr.), Engr. in Charge of Pump Design, Allis-Chalmers Mfg. Co.

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Bugge, S. B., Engr., Asst. Supt., Wausau Sulphate Fibre Co.

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MacGregor, W. F., Supt. Exper. Dept., J. I. Case Threshing Mch. Co.

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South Milwaukee.—Coleman, W. W., Pres., Bucyrus Co.

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Lehman, W., M. E., Bucyrus Co.

Magle, W. E., Asst. to Pres., Bucyrus Co.

Snyder, T. A. (Jr.), Engr., Bucyrus Co.

Yager, J. E. (Jr.), Draftsman, Bucyrus Co.

Superior.—Jacklin, H. M., Instr. Engrg., Univ. of Wis.

Waukesha.—Horning, H. L., Secy., Genl. Mgr., Waukesha Motor Co.

Wausau.—Wegner, A. A., care of Ben Wegner, 206 Forest St.

West Allis.—Brown, A. J., Ch. Draftsman Elec. Dept., Allis-Chalmers Mfg. Co.

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Kearney, E. J., Secy., Treas., Kearney & Trecker Co.

Revere, F. J., Asst. Engr., Allis-Chalmers Mfg. Co.

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Smith, L. P. C. (Jr.), Ch. Draftsman Gas Eng. Dept., Allis-Chalmers Mfg. Co.

Wilson, J., M. E. Steam Turbine Engrg. Dept., Allis-Chalmers Mfg. Co.

WYOMING

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Nunn, P. N., Wyoming Elec. Co.

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Sangster, W., Engr., De Laval Co., Ltd.

Port Arthur, Ont.—Murphy, T. R. H., Ch. Engr., Port Arthur Pulp & Paper Co., Ltd.

Paige, J. F., Genl. Mgr., Port Arthur Shipbuilding Co., Ltd.

Souba, W. H., Partner, C. D. Howe & Co., Cons. Engrs.

Wilson, C. W. (Jr.), Div. Supvr., Ross Rifle Co.

St. Catharines, Ont.—Dismukes, A. R. (Jr.), McKinnon Dash Co.

Hamilton, R. B., Pres., Packard Elec. Co., Ltd., Pres., Cary Safe Co. of Buffalo, N. Y., Pres., Packard Fuse Co., Ltd.

Jones, E. H., Supt., Canadian Yale & Towne, Ltd.

St. John, N. B.—Benjamin, L. S., Ch. Engr., Atlantic Sugar Refineries, Ltd.

Sault Ste. Marie.—Munn, D. W., Engrg. Dept., Algoma Constr. & Engrg. Co.

Speer, C. H., Ch. Engr., Algoma Steel Corp.

Stenbol, C., Mech. Supt., Algoma Steel Corp.

Wolf, R. B., Mgr., Spanish River Pulp & Paper Mills, Ltd.

Sherbrooke, Quebec.—Gale, W. D. (Jr.), Asst. Supt., MacKinnon Steel Co.

Haight, H. V., Ch. Engr., Canadian Ingersoll-Rand Co., Ltd.

Sangster, A., Wks. Mgr., Canadian Ingersoll-Rand Co., Ltd.

Spidy, E. T. (Jr.), Production Engr., Canadian Ingersoll-Rand Co.

Sydney, Nova Scotia.—Binckes, F. J., Ch. Draftsman, Dominion Iron & Steel Co., Ltd.

Graham, W. H., Mech. and Metallurgical Supt., N. S. Steel & Coal Co., Ltd.

Macdougall, G. D., Ch. Engr., Dominion Iron & Steel Co.

Timmins, Ont.—Robbins, P. A., Managing Dir., Hollinger Consld. Gold Mines, Ltd.

Toronto, Ont.—Aeberli, A., Ch. Hyd. Engr., Canadian Allis-Chalmers, Ltd.

Ahara, G. V., M. E. in charge Gas Engine Design and Test, Canadian Fairbanks-Morse Co., Ltd.

Angus, R., Cons. Engr., McMullen, Riley & Angus.

Angus, R. W., Prof. M. E., Faculty Applied Sci. and Engrg., Univ. of Toronto.

Billings, J. H., Lecturer Charge Meh. Design Dept., Univ. of Toronto.

Brooks, P. C., V. P., Canadian Fairbanks-Morse Co., Ltd.

CANADA, Toronto, Ont. (Continued)

- Clark, F. G., Ch. Engr., Toronto Power Co., Toronto Elec. Light Co., Toronto St. Ry. Co.
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 Conway, G. R. G., Mex. Light & Power Co.
 Coolidge, C. E., Ch. Engr. 8" Howitzer Dept., Canadian Fairbanks-Morse Co.
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 Ferry, R. M. (Jr.), Supt., Northern Aluminum Co., Ltd.
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 Hamilton, C. B., Jr., Mgr., Hamilton Gear & Mch. Co.
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 McClintock, A. P., Sales Dept., Imperial Oil Co., Ltd.
 MacArthur, J. E., Wks. Mgr., Russell Motor Car Co., Ltd.
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 Parker, L. R., Engr. of Stas., Toronto Hydro-Elec. System.
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 Ward, F. B., Ch. Engr., Asst. to Genl. Mgr., John Inglis Co., Ltd.
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 Waugh, O. L. (Jr.), Production Mgr., The Crown Cork & Seal Co.

Transcona, Man.—Brooks, C. E., Supt. M. P., Grand Trunk Pacific Ry.

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 Taylor, A. J. T., Managing Dir., Taylor Engrg. Co., Ltd.

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Verdun, Que.—Kemp, H. D. (Jr.), Supt. British Munitions Co., Ltd.

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Winnipeg, Man.—Pinch, H. H., 114 Furby St.

CENTRAL AMERICA

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CHANNEL ISLANDS

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CHINA

- Chihli.**—Foster, F. A., Chihli Higher Normal College, Paotingfu.
- Hanyang.**—Douglas, M. D. (Jr.), Asst. Engr., Han-Yeh-Ping Coal & Iron Co.
- Hong Kong.**—Hunt, E. A., Pres., Knapp & Hunt Co., 501 Insurance Bldg.
- Peking.**—Gillis, I. V., Commander, U. S. Navy, Ret.; Rep. of Am. Shipbuilders.
Kwang, K. Y., Dir., Engr., Lincheng Mines, Lincheng, Chihli Province, Kin-Han Ry.
- Shanghai.**—Cox, F. W., Commer. Engr., Anderson, Meyer & Co., Ltd.
Hawkins, G. W., Power Engr., Anderson Meyer & Co., Ltd., P. O. Box 752.
Simon, J. J., Cons. Lubrication Engr., Texas Co.

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- Caibarien.**—Clarke, P. L. (Jr.), Punta Alegre Sugar Co.
- Chaparra, Oriente.**—Bergman, C. A.
- Florida, Camaguey.**—Gianelloni, V. J. (Jr.), Genl. Supt. Central Florida, Compania Azucarera Florida.
- Francisco, Provincia de Camaguey.**—Crawley, G. E. (Jr.), Francisco Sugar Co.
Estrada, R., Engr., Francisco Sugar Co.
- Havana.**—Adam, L. E. M. (Jr.), Asst. Supt., Cuba Cane Sugar Corp'n.
Arozarena, R. M. de., Engr., Contr., Apartado 1230, Villaneuva.
Cooper, A., United Rys. of Havana.
Cuervo, M. V., Mem. of Firm, Cuervo & Pagllery.
Dearborn, W. L., Genl. Mgr., Cuban Sugar Mills Corp'n.
Eason, J. J., Genl. Supt., Havana Marine Rys., Inc.
Estrada, E. D., Ch. Engr. Div. of Shops and Mchy., Ministry of Pub. Wks., Cuban Government.
Kerr, E. W., Engr. in charge Exper. Engrg. Dept., Cuba Cane Sugar Corp.
Lacazette, A. A. (Jr.), West India Oil Co.
Lee, W. R., Asst. Genl. Mgr., Havana Coal Co., San Pedro 2.
Miller, E. J., M. E., Cons. Engr., Edificio-Royal Bank of Canada, Santiago, Cuba.
Stuntz, J. E., Engr., Honolulu Iron Wks., Terriente Rey No. 11.
Turner, W. C. (Jr.), Engr. of Wks., U. S. & Cuban Allied Wks. Engr. Corp., 51 Cuba St.
Ulbricht, T. C., Asst. Mgr., Am. Steel Co. of Cuba.
Valdes, J. M. (Jr.), Engr., Lombard & Co.
- Mariel.**—Avnsoe, O. O. T., M. E., Cuban Portland Cement Co.
Avnsoe, T., Genl. Supt., Cuban Portland Cement Co.
Corneliussen, O. S., M. E., Cuban Portland Cement Co.
- Matanzas.**—Polledo, Y., Manzaneda 16.
- Oriente.**—Ginorio, F. R., Asst. Ch. Engr., Cuban-Am. Sugar Co., Delicias.
Miller, E. G., Genl. Mgr., Rio Cauto Sugar Co.

CUBA (Continued)

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DENMARK

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DUTCH EAST INDIA

Batavia, Java.—Becker, L., Mgr., U. S. Steel Products Co.

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Orcutt, H. F. L., Managing Dir., Gear Grinding Co., Ltd., Handsworth.

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Rogers, C. E., Genl. Mgr., Fraser & Chalmers, Ltd.

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Lancaster.—Emery, J. I., Ch. Engr., Natl. Projectile Factory.

Lincoln.—Chorlton, A. E. L., Engrg. Mgr. Sheaf Iron Wks., Ruston Proctor & Co., Ltd.

London.—Abercrombie, J. H., Capt. British Army, care of Farmers Loan & Trust Co.

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Bland, J. P., Printer, Ch. Engr., The Times.

Carroll, L. D., M. E., care of Humphreys & Glasgow.

Cloud, J. W., V. P., Managing Dir., Westinghouse Brake Co., Ltd.

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Giller, F. S., Plant Engr., West. Elec. Co., Ltd., North Woolwich.

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Mair-Rumley, J. G., care of G. P. Mair, 32 Easton Rise.

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Pulman, T. C., Genl. Mgr., Worthington-Simpson, Ltd., Kingsway.

Sankey, Capt. H. R., C. B., R. E. (Retd.), Cons. Engr., Marconi House, Strand, W. C. 2.

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Talbot, H. J., Ministry of Munitions of War (French Warfare Supply Dept.), St. Ermins Hotel.

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Thuman, F., Ch. Engr. and Dir., Humphreys & Glasgow, Ltd.

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Wilkinson, C. T. (Jr.), Cons. Engr., 42 Bank Bldgs., Kingsway, W. C.

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Manchester.—Aspinall, Sir J. A. F., Genl. Mgr., Lancashire & Yorkshire Ry.

Brown, A. G., 53 Victoria Bldgs.

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Thomas, W. H., Brightside Wks.

Smethwick.—Fallon, J. (Jr.), Dir., Genl. Mgr., The Incandescent Heat Co., Ltd., British Mills.

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Walthamstow.—Black, G., Shop Engr., Associated Equip. Co.

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Helsingfors.—Norrman, A. E., Prof., Tech. Univ.

Lahti.—Kapy, A. A. (Jr.), Factory Insp., Dist. of Lahti.

FRANCE

- Billings, A. W. K., Lieut. Com., care of Com. U. S. Naval Aviation Forces; C. E., U. S. N. R. F., Wk. Supt. P. W. Div., N. Y. Navy Yard.
- Church, F. O., 1st Lieut., Co. B, 26th Engrs., Am. Exped. Force.
- Clemons, R. S., Major, Commanding 506th Eng. Serv. Bureau.
- Hewitt, R. B., Capt., Engrg. Dept., Am. Exped. Forces.
- Hobart, J. C., Jr. (Jr.), with Field Service in France.
- Holman, R. C., Lieut., I. O. M. O. C., 53rd Ordnance Mobile Workshop (Light), B. E. F.
- Jenks, G. F., Major Ord. Dept., U. S. A., U. S. Expeditionary Forces.
- Meigs, R. R., First Lieut., 19th Reg. Engr. (Ry.), Am. Expeditionary Forces.
- Moody, F. H. (Jr.), Major 116th Battalion, Canadian Inf.
- Otto, H. S., 1st Lieut. Field Artillery, U. S. R., Headquarters Am. Expeditionary Forces; Treas., Engr., Albert T. Otto & Sons, New York, N. Y.
- Park, J. F., Jr. (Jr.), Active Serv.
- Wright, D. B. (Jr.), 2nd Lieut., E. O. R. C. Unassigned, U. S. Expeditionary Forces.
- Zelger, N. A. (Jr.), First Lieut. Ord. Dept., U. S. R., care of Ch. Ord. Officer, Am. Expeditionary Forces.

Le Havre.—Hubert, H., Genl. Inspr. Mines, 15 Blvd. de Strasbourg; Prof. Applied Mech. and Industrial Physics, Univ. of Liege.

Paris.—Benet, L. V., Engr., V. P., Société Anonyme des anciens Etablissements Hotchkiss & Cie.

Berg, H. O., Engr., 32 Ave. des Champs-Elysees.

Downe, H. S., Administrator, Compagnie Nationale Radiateurs.

Eiffel, G., 1, Rue Rabelais.

Freeman, C. F. (Jr.), Sales Engr., Allied Mchy. Co. de France.

Garfield, A. S., Ch. Engr., cie. Française Thompson-Houston.

Léauté, H., Mem. Academy of Science.

Mallet, A., 30 Ave. Trudaine.

Malone, J. A. (Jr.), Allied Mchy. Co. of Amer.

Monnot, J. F., Cons. Engr., Duplex Metals Co., V. P., Hudson Wire Co.

Roux, P., Engr., Paul Roux & Co.

Schultz, H. M., M. E., Rep., Niles-Bement-Pond Co.

Smith, P. M., Sales Dept., Allied Mchy. Co. of Amer.

GERMANY

Aachen.—Wallich, A. O., Prof. Tech. Hochschule.

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Hildreth, W. A., Dir., Alfred Herbert, G. m. b. H.

Lof, O. J., Exp. in Grinding and Grinding Wheels in Europe for Norton Co. of Worcester, Mass., 74 Muhlenstr., Pankow.

Matschoss, C., Prof. History of Tech. and Industries, Berlin Tech. H. S.

Neuhaus, F. A. E., Genl. Mgr., Ch. Engr., A. Borsig, Tegel.

Schuchart, Dr. T., Aschaffenerstr. 18, W. 30.

Charlottenburg.—Froelich, F., Secy., Verein deutscher Maschinenbau-Anstalten.

GERMANY, Charlottenburg (Continued)

Schlesinger, G., Prof. Engrg., Tech. Hochschule.

Stumpf, J., Privy Councillor, Prof., Tech. Hochschule.

Coblenz.—von Oswald, W., Privy Councillor of Commerce, Bergassessor, a. D., Carl Spaeter, Rhein Zollstrasse 6.

Cologne.—Neilson, W. L., Genl. Mgr., Deutsche Norton Gesellschaft, m. b. H., Wesseling bez.

Danzig-Langfuhr.—Schulze-Pillot, G., Prof. M. E., Royal Tech. Univ.

Dusseldorf.—Gerda, B., Ch. Engr., Managing Dir., Haniel & Lueg.

Frankfort-on-Main.—Kretschmer, F. G., Prop., F. G. Kretschmer & Co.

Gotha.—Kammann, F., Ch. Engr., Briegleb, Hansen & Co.

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Nuremberg.—Lebrecht, A., Cons. Engr., Hefnersplatz 3.

Schoenebeck-Elbe.—Shearer, C. A. (Jr.), Nationale Radiator Gesellschaft.

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Bangalore, South India.—Sitaramacher, B., Supt., Dept. of Industries and Commerce, Ring-Wood.

Burma.—Dalas, F. L. (Jr.), Head Electrician at Mines, Burma Mines, Ltd.

Philleo, G. W., Burma Mines Co., Ltd., Namtu, Northern Shore States.

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Lucknow.—Carter, H. T. (Jr.), Engr. Water Wks., Aish Bagh.

Madras.—Rajagopalan, T. R. (Jr.), Draftsman, Carnatic Mill Co., Ltd., Perambore Barracks.

ITALY

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Marzoli, L. (Jr.), Genl. Mgr., Supt., Fratelli Marzoli & Cie.

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Kobe.—Mizuno, S., Mitsubishi Dockyard & Eng. Wks.

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Osaka.—Kuwada, G., Constr. Engr., Nippon Senrio Seizo Kaisha Wks.

Shimotsuke.—Nakai, K., Ashio Copper Mines.

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Inokuty, A., Prof. M. E., College of Engrg., Imperial Univ.

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Messer, P., Mgr. Engrg. Dept., Am. Trading Co.

Miyakawa, K., Engr. Capt., I. J. N., Kikangakukai Admiralty.

Sakata, S., Prof. M. E., Tokio Tech. College, Asakusa.

Yokohama.—Thurn, T., Engr., Genl. Elec. Co.

MEXICO

Chihuahua.—Lawrence, S., Cons. Min. Engr., 116 Calle 39.

Guanajuanto.—Kean, A. J. A., Asst. Res. Mgr., Guanajuanto Power & Elec. Co.

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Mérida, Yucatan.—Rosado, M. G., Sales Engr., De La Vergne Mch. Co.

Monterey.—Carstens, A. B., Apartadõ 137.

Tampico.—Posgate, J. S., Eagle Oil Co.

NORWAY

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Kristiania.—Heyerdahl, T., Ch. Engr., Halvden Svartegate 40B.

Mackenzie, E., Supvg. Engr., Constr. Wk. with R. Blakstad, Karl Johansgade 41/III.

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RUSSIA

Moscow.—Fast, J. J., Internatl. Harvester Co.

Karmazin, J., Ch. Engr., Moscow Auto. Wks., Kusnetsow, Rjabushin-skie & Co.

Petrograd.—Hough, D. L., Nevsky No. 1.

Jakowleff, D., Sub-Prof., Military Engrg. Academy.

Oppermann, F. M., Mgr., Nordish Plate Glass Wks.

Smith, W. E., Pres., Swedish Portland Cement Mfg. Co.

RUSSIA (Continued)

Podolsk, Moscow Gov.—Dixon, W. F., Mgr., Singer Mfg. Co.'s Wks.
Thomas, G. C., Supt., Singer Co.

SCOTLAND

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Glasgow.—Yarrow, A. F., Governing Dir., Yarrow & Co., Ltd., Scotstoun.

Singer, Clydebank.—Rickey, W. J., Mgr., Singer Mfg. Co., Ltd.
Lang, John B., John Lang & Son, Lathe Mfrs., Johnstone.
Moran, D. J. (Jr.), Genl. Supt., The Texas Co. of Mexico, Apartado 1910, Tampico, Mexico.

SOUTH AMERICA

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Buenos Ayres, Argentina.—Corlette, G. H. (Jr.), Mgr., Fairbanks-Morse & Co.

Hammond, M. H., Genl. Mgr., Compania Argentina de Cemento Portland.

Olditch, F. W., Constr. and Designing Engr., Partner, Buxton Olditch & Cie.

Strauss, J. B., M. E., 328 Cangallo.

Caldera, Chile.—Trotter, A. H., Ch. M. E., Sdad. de Minas y Fundiciones de Carrizal.

Callao, Peru.—Dasso, D. (Jr.), Mgr., Vulcan Iron Wks. Co.

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Chorrillos, Peru.—D'Ornellas, T. V., Cons. Engr., 15 Calle de Lima.

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Buck, L., Genl. Mgr., Parana Paper Co., Inc.

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Iquique, Chile.—Billwiller, C. J., Jr., Engr., Nitrate Agencies, Ltd.

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Marquina, L. G., Engr., Peruvian Corp., Ltd.
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Rancagua, Chile.—Brooker, F. G., Mech. Draftsman, Braden Copper Co.
Cajander, S. G., Supt. of Shops, Braden Copper Co.

Ek, A., M. E., Braden Copper Co.

France, Laurel E. (Jr.), Ch. Draftsman, Constr. Dept., Braden Copper Co.

SOUTH AMERICA, Rancagua, Chile (Continued)

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Work, D. W., Draftsman, Braden Copper Co.

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Padron, A. (Jr.), F. H. Walter & Co.

Roubaud, A., Genl. Foreman Sao Paulo Shops, Central R. R. of Brazil.

Sloat, H. M., Rep., Middletown Car Co.

da Silva, A. P., Genl. Foreman, Estrada de Ferro Central do Brazil.

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Oederlin, F., Mem. Genl. Management, Sulzer Bros.

Sulzer, J. C., Pres., Sulzer Bros., Ltd.

TURKEY**Constantinople.**—Scipio, L. A., Dean and Prof. M. E., Robert College.**WEST INDIES****Port-au-Prince, Hayti.**—Masferrer, J. R. (Jr.), Asst. M. E., Haytian Am. Sugar Corp'n.**St. Andrews, Jamaica.**—Smith, T. C., "Havod," Constant Spring P. O.**PRESENT ADDRESS UNKNOWN**

Berry, E. H.

Greene, I. C.

SUMMARY OF MEMBERSHIP BY RESIDENCE

UNITED STATES

Alabama	48	Nebraska	10
Alaska	1	Nevada	1
Arizona	10	New Hampshire	20
Arkansas	6	New Jersey	496
California	246	New Mexico	7
Canal Zone	6	New York	2112
Colorado	42	North Carolina	28
Connecticut	426	North Dakota	3
Delaware	69	Ohio	577
District of Columbia	176	Oklahoma	55
Florida	24	Oregon	12
Georgia	49	Pennsylvania	1012
Hawaii	14	Philippine Islands	13
Idaho	4	Porto Rico	6
Illinois	582	Rhode Island	103
Indiana	145	South Carolina	16
Iowa	27	South Dakota	3
Kansas	34	Tennessee	52
Kentucky	22	Texas	60
Louisiana	47	Utah	18
Maine	30	Vermont	29
Maryland	105	Virginia	66
Massachusetts	730	Washington	42
Michigan	296	West Virginia	20
Minnesota	95	Wisconsin	146
Mississippi	9	Wyoming	4
Missouri	147		
Montana	11	Total	8312

FOREIGN COUNTRIES

Africa	11	India	8
Australia	9	Italy	2
Austria	2	Japan	11
Belgium	1	Mexico	6
British West Indies	1	Norway	3
Canada	140	Roumania	1
Central America	1	Russia	8
Channel Islands	1	Scotland	5
China	8	South America	81
Cuba	28	Spain	2
Denmark	2	Sweden	6
Dutch East India	1	Switzerland	3
England	61	Turkey	1
Finland	4	West Indies	2
France	26		
Germany	19		
Holland	2	Total	406

Membership in United States	8312
Membership in Foreign Countries	406
Present address unknown	2
Total Membership	8720

MEMBERSHIP BY GRADES

Honorary Members	15
Members	5053
Associates	504
Associate-Members	1191
Juniors	1957

Total Membership	8720
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THE AMERICAN SOCIETY OF
MECHANICAL ENGINEERS

CHARTER, CONSTITUTION
BY-LAWS AND RULES
AND INDEX

DECEASED HONORARY MEMBERS

Name	Date of Election	Died
Horatio Allen	1880	1889
Sir Wm. Arrol	1905	1913
Benjamin Baker	1886	1907
Johann Bauschinger	1884	1893
Henry Bessemer	1891	1898
Frederick Bramwell	1884	1904
Gustave Canet	1900	1908
Daniel K. Clark	1882	1896
Rudolph Clausius	1882	1888
John Coode	1889	1892
Peter Cooper	1882	1883
Carl Gustav Patrick de Laval	1912	1913
Rudolph Diesel	1912	1913
James Dredge	1886	1906
V. Dwelshauvers-Dery	1886	1913
John Fritz	1900	1913
F. Grashof	1884	1893
O. Hallauer	1882	1883
Chas. H. Haswell	1905	1907
Gustav Herrmann	1884	1907
G. A. Hirn	1882	1890
Joseph Hirsh	1889	1901
Benjamin Franklin Isherwood	1894	1915
Erasmus D. Leavitt	1915	1916
Geo. W. Melville	1910	1912
Chas. T. Porter	1890	1910
Edward J. Reed	1882	1906
Franz Reuleaux	1882	1905
Henri Schneider	1882	1898
C. William Siemens	1882	1883
John E. Sweet	1904	1916
Henri Tresca	1882	1885
Francis A. Walker	1886	1897
Sir William H. White	1900	1913
George Westinghouse	1897	1914

PAST OFFICERS

Alexander L. Holley, Chairman of the Meeting for Organization of The American Society of Mechanical Engineers.....
.....Died January 29, 1882

PRESIDENTS

R. H. Thurston.....	1880-1882.....	Died October 25, 1903
E. D. Leavitt.....	1883.....	Died March 11, 1916
John E. Sweet.....	1884.....	Died May 8, 1916
J. F. Holloway.....	1885.....	Died September 1, 1896
Coleman Sellers.....	1886.....	Died December 28, 1907
George H. Babcock.....	1887.....	Died December 16, 1893
Horace See.....	1888.....	Died December 14, 1909
Henry R. Towne.....	1889.....	New York, N. Y.
Oberlin Smith.....	1890.....	Bridgeton, N. J.
Robert W. Hunt.....	1891.....	Chicago, Ill.
Charles H. Loring.....	1892.....	Died February 5, 1907
Eckley B. Coxe.....	1893-1894.....	Died May 13, 1895
E. F. C. Davis.....	1895.....	Died August 6, 1895
Charles E. Billings.....	1895.....	Hartford, Conn.
John Fritz.....	1896.....	Died February 13, 1913
Worcester R. Warner.....	1897.....	Cleveland, O.
Charles Wallace Hunt.....	1898.....	Died March 27, 1911
George W. Melville.....	1899.....	Died March 17, 1912
Charles H. Morgan.....	1900.....	Died January 10, 1911
S. T. Wellman.....	1901.....	Cleveland, O.
Edwin Reynolds.....	1902.....	Died February 19, 1909
James M. Dodge.....	1903.....	Died December 4, 1915
Ambrose Swasey.....	1904.....	Cleveland, O.
John R. Freeman.....	1905.....	Providence, R. I.
F. W. Taylor.....	1906.....	Died March 21, 1915
Frederick R. Hutton.....	1907.....	New York, N. Y.
M. L. Holman.....	1908.....	St. Louis, Mo.
Jesse M. Smith.....	1909.....	New York, N. Y.
George Westinghouse.....	1910.....	Died March 12, 1914
E. D. Meier.....	1911.....	Died December 15, 1914
Alex. C. Humphreys.....	1912.....	New York, N. Y.
W. F. M. Goss.....	1913.....	Urbana, Ill.
James Hartness.....	1914.....	Springfield, Vt.
John A. Brashear.....	1915.....	Pittsburgh, Pa.
D. S. Jacobus.....	1916.....	New York, N. Y.
Ira N. Hollis.....	1917.....	Worcester, Mass.

VICE-PRESIDENTS

Henry Rossiter Worthington.....	Quincy A. Gilmore.....
.....April-December, 1880April, 1880—December, 1880
Coleman Sellers.....	Wm. H. Shock.....
.....April, 1880—November, 1881April, 1880—November, 1882
Eckley B. Coxe.....	Alexander L. Holley.....
.....April, 1880—November, 1881April, 1880—January, 1882

NOTE.—According to the Constitution, Article C 26, the five surviving Past Presidents who last held the office shall be members of the Council, with all the rights, privileges and duties of the other members of the Council.

Francis A. Pratt.....De-	Walter S. Russel.....1897-1899
cember, 1880—November, 1881	John C. Kafer.....1897-1899
Theo. N. Ely.....	E. D. Meier.....1898-1900
.....1881—November, 1882	George R. Stetson.....1898-1900
Washington Jones.....	B. H. Warren.....1898-1900
.....1881—November, 1882	Jesse M. Smith.....1899-1901
Wm. P. Trowbridge.....	Stevenson Taylor.....1899-1901
.....1881—November, 1883	David Townsend.....1899-1901
E. D. Leavitt.....	James M. Dodge.....1900-1902
.....1881—December, 1882	Ambrose Swasey.....1900-1902
Chas. E. Emery.....1881-1883	Arthur M. Waitt.....1900-1902
S. B. Whiting.....1882-1883	M. E. Cooley.....1901-1903
John Fritz.....1882-1884	Wilfred Lewis.....1901-1903
Henry Morton.....1882-1884	M. P. Higgins.....1901-1903
Wm. Metcalf.....1882-1884	James Christie.....1902-1904
A. B. Couch.....1883-1885	F. H. Daniels.....1902-1904
W. R. Eckart.....1883-1885	John R. Freeman.....1902-1904
J. V. Merrick.....1883-1885	D. S. Jacobus.....1903-1905
Chas. W. Copeland.....1884-1886	William J. Keep.....1903-1905
Henry R. Towne.....1884-1886	M. L. Holman.....1903-1905
Coleman Sellers.....1884-1885	S. M. Vaulchain.....1904-1906
Olin H. Landreth.....1885-1886	H. H. Westinghouse.....1904-1906
Allan Stirling.....1885-1887	Fred. W. Taylor.....1904-1905
Horace See.....1885-1887	Geo. H. Barrus.....1905-1906
Chas. H. Loring.....1885-1887	Walter M. McFarland.....1905-1907
Jos. Morgan, Jr.....1886-1888	Robt. C. McKinney.....1905-1907
Chas. T. Porter.....1886-1888	Edward N. Trump.....1905-1907
Horace S. Smith.....1886-1888	Philetus W. Gates.....1906-1908
W. S. G. Baker.....1887-1889	John W. Lieb, Jr.....1906-1908
H. G. Morris.....1887-1889	Alex Dow.....1906-1908
C. J. H. Woodbury.....1887-1889	L. P. Breckenridge.....1907-1909
Thos. J. Borden.....1888-1890	Fred J. Miller.....1907-1909
William Kent.....1888-1890	Arthur West.....1907-1909
Charles B. Richards.....1888-1890	Geo. M. Bond.....1908-1910
De Volson Wood.....1889-1891	E. C. Carpenter.....1908-1910
Joel Sharr.....1889-1891	F. M. Whyte.....1908-1910
Geo. W. Weeks.....1889-1891	Chas. Whiting Baker.....1909-1911
Stephen W. Baldwin.....1890-1892	W. F. M. Goss.....1909-1911
Alex. Gordon.....1890-1892	E. D. Meier.....1909-1910
Jno. F. Parkhurst.....1890-1892	Alex. C. Humphreys.....1910-1911
George I. Alden.....1891-1893	Geo. M. Brill.....1910-1912
E. F. C. Davis.....1891-1893	Edwin M. Herr.....1910-1912
Irving M. Scott.....1891-1893	Henry H. Vaughan.....1910-1912
Charles Wallace Hunt.....1892-1894	Wm. F. Durand.....1911-1913
Edwin Reynolds.....1892-1894	Ira N. Hollis.....1911-1913
Thos. R. Pickering.....1892-1894	Thos. B. Stearns.....1911-1913
Percival Roberts, Jr.....1893-1895	I. E. Moulthrop.....1912-1914
H. J. Small.....1893-1895	H. G. Stott.....1912-1914
Charles E. Billings.....1893-1895	James Hartness.....1912-1913
Frank H. Ball.....1894-1896	E. B. Katte.....1913-1914
M. L. Holman.....1894-1896	H. L. Gantt.....1913-1915
Jesse M. Smith.....1894-1896	E. E. Keller.....1913-1915
Francis W. Dean.....1895-1897	H. G. Reist.....1913-1915
Charles H. Manning.....1895-1897	Henry Hess.....1914-1916
George W. Melville.....1895-1897	Geo. W. Dickie.....1914-1916
Edwin S. Cramp.....1896-1898	James E. Sague.....1914-1916
W. F. Durfee.....1896-1898	Wm. B. Jackson.....1915-1917
S. T. Wellman.....1896-1898	J. Sellers Bancroft.....1915-1917
Charles M. Jarvis.....1897-1899	Julian Kennedy.....1915-1917

MANAGERS

Wm. P. Trowbridge.....	Arthur C. Walworth.....1894-1897
April, 1880—November, 1881	John C. Kafer.....1894-1897
Theo. N. Ely.....	Geo. W. Dickie.....1895-1898
April, 1880—November, 1881	E. D. Meier.....1895-1898

J. C. Hoadley.....	Norman C. Stiles.....1895-1898
.April, 1880—November, 1881	A. Wells Robinson.....1896-1899
Washington Jones.....	H. S. Haines.....1896-1899
.April, 1880—November, 1881	G. O. Henning.....1896-1899
Wm. B. Cogswell.....	J. B. Stanwood.....1897-1900
.April, 1880—November, 1882	H. H. Suples.....1897-1900
Chas. B. Richards.....	Geo. Richmond.....1897-1900
.April, 1880—November, 1882	Edgar C. Felton.....1898-1901
S. B. Whiting.....	A. M. Goodale.....1898-1901
.April, 1880—November, 1882	Richard H. Soule.....1898-1901
E. D. Leavitt, Jr.	Francis H. Boyer.....1899-1902
.April, 1880—November, 1882	John A. Brashear.....1899-1902
J. F. Holloway.....No-	Alfred H. Raynal.....1899-1902
vember 1880—November, 1883	W. F. M. Goss.....1900-1903
Geo. W. Fisher.....No-	D. S. Jacobus.....1900-1903
vember 1880—November, 1883	De Courcy May.....1900-1903
Allan Stirling.....No-	Charles H. Corbett.....1901-1904
vember, 1881—November, 1884	H. A. Gillis.....1901-1904
Geo. H. Babcock.....	R. S. Moore.....1901-1904
.....1881—November, 1884	Robt. C. McKinney.....1902-1905
S. W. Robinson.....	Newell Sanders.....1902-1905
.....1881—November, 1884	S. S. Webber.....1902-1905
John E. Sweet.....1882-1883	John W. Lieb, Jr.1903-1906
Robt. W. Hunt.....1882-1885	Asa M. Mattice.....1903-1906
Chas. T. Porter.....1882-1885	Geo. I. Lockwood.....1903-1906
C. J. H. Woodbury.....1882-1885	George M. Brill.....1904-1907
W. F. Durfee.....1883-1886	Fred J. Miller.....1904-1907
Oberlin Smith.....1883-1886	Richard H. Rice.....1904-1907
C. O. Worthington.....1883-1886	Walter Laidlaw.....1905-1908
Wm. Lee Church.....1884-1887	Fred. M. Prescott.....1905-1908
Wm. Hewitt.....1884-1887	Frank G. Tallman.....1905-1908
Chas. H. Morgan.....1884-1887	G. M. Basford.....1906-1909
Hamilton A. Hill.....1885-1888	Andrew J. Caldwell.....1906-1909
William Kent.....1885-1888	Andrew L. Riker.....1906-1909
Saml. T. Wellman.....1885-1888	Wm. L. Abbott.....1907-1910
John T. Hawkins.....1886-1889	Alex. C. Humphreys.....1907-1910
Fredk. G. Coggin.....1886-1889	Henry G. Scott.....1911-1912
Thos. R. Morgan, Sr.1886-1889	H. L. Gantt.....1908-1911
Stephen W. Baldwin.....1887-1890	I. E. Moulthrop.....1908-1911
Fredk. Grinnell.....1887-1890	W. J. Sando.....1908-1911
Morris Sellers.....1887-1890	J. Sellers Bancroft.....1909-1911
Frank H. Ball.....1888-1891	James Hartness.....1909-1912
Geo. M. Bond.....1888-1891	H. G. Reist.....1909-1912
Wm. Forsyth.....1888-1891	Henry G. Stott.....1911-1912
Jas. E. Denton.....1889-1892	D. F. Crawford.....1910-1913
Carleton W. Nason.....1889-1892	Stanley G. Flagg, Jr.1910-1913
H. H. Westinghouse.....1889-1892	E. B. Katte.....1910-1913
Andrew Fletcher.....1890-1893	Charles J. Davidson.....1911-1914
Worcester R. Warner.....1890-1893	Henry Hess.....1911-1914
Coleman Sellers, Jr.1890-1893	George A. Orrok.....1911-1914
Jas. M. Dodge.....1891-1894	Alfred Noble.....1912-1914
Robt. Forsyth.....1891-1894	Morris L. Cooke.....1914-1915
Jesse M. Smith.....1891-1894	W. B. Jackson.....1912-1915
John Thompson.....1892-1895	H. M. Leland.....1912-1915
Charles W. Pusey.....1892-1895	Arthur M. Greene, Jr.1913-1916
Charles H. Manning.....1892-1895	John Hunter.....1913-1916
John B. Herreshoff.....1893-1896	Elliott H. Whitlock.....1913-1916
Lebbeus B. Miller.....1893-1896	Charles T. Main.....1914-1917
Walter S. Russel.....1893-1896	Spencer Miller.....1914-1917
Charles A. Bauer.....1894-1897	Max Toltz.....1914-1917

TREASURERS

Lycurgus B. Moore.....	William H. Wiley.....
.April, 1880—December, 18811884-
Chas. W. Copeland.....De-	
cember, 1881—November, 1884	

SECRETARIES

Sam. S. Webber, Jr.—Secretary
organization meeting, 1880
Lycurgus B. Moore, . . . Acting
Secretary, April—Nov., 1880

Thos. Whiteside Rae
November, 1880—March, 1883
Frederick R. Hutton . . . 1883 1906
Calvin W. Rice 1906 -

CALENDAR OF ANNUAL AND SPRING MEETINGS

Place	Date	No.	Class of Meeting	Members Present
New York, N. Y.	Feb. 16, 1880.....		Preliminary ..	
Hoboken, N. J.	April 7, 1880.....		Organization ..	
New York, N. Y.	Nov. 4 to 5, 1880...	1	1st Annual ...	84
Hartford, Conn.	May 4 to 6, 1881....	2	Regular	36
Altoona, Pa.....	Aug. 10 to 12, 1881..	3	Regular	37
New York, N. Y.	Nov. 3 to 4, 1881....	4	2nd Annual ..	65
Philadelphia, Pa.	April 19 to 21, 1882..	5	Regular	96
New York, N. Y.	Nov. 1 to 3, 1882....	6	3d Annual ...	58
Cleveland, O....	June 12 to 14, 1883..	7	Regular	77
New York, N. Y.	Oct. 31 to Nov. 3, 1883	8	4th Annual ...	131
Pittsburgh, Pa.	May 20 to 23, 1884... 9		Regular	93
New York, N. Y.	Nov. 5 to 7, 1884....	10	5th Annual ...	129
Atlantic City, N. J.	May 26 to 29, 1885... 11		Regular	71
Boston, Mass.....	Nov. 10 to 13, 1885... 12		6th Annual ...	130
Chicago, Ill.....	May 25 to 28, 1886... 13		Regular	121
New York, N. Y.	Nov. 30 to Dec. 3, 1886	14	7th Annual ...	192
Washington, D. C.	May 31 to June 3, 1887	15	Regular	117
Philadelphia, Pa.	Nov. 28 to Dec. 1, 1887	16	8th Annual ...	216
Nashville, Tenn..	May 8 to 12, 1888.... 17		Regular	58
Scranton, Pa.....	Oct. 15 to 18, 1888... 18		9th Annual ...	124
Erie, Pa.....	May 14 to 17, 1889... 19		Regular	83
New York, N. Y.	Nov. 18 to 22, 1889... 20		10th Annual..	249
Cincinnati, O....	May 18 to 16, 1890... 21		Regular	164
Richmond, Va....	Nov. 11 to 14, 1890... 22		11th Annual..	126
Providence, R. I.	June 16 to 19, 1891... 23		Regular	279
New York, N. Y.	Nov. 16 to 19, 1891... 24		12th Annual..	298
San Francisco, Cal	May 16 to 19, 1892... 25		Regular	54
New York, N. Y.	Nov. 29 to Dec. 2, 1892	26	13th Annual..	294
Chicago, Ill.....	July 31 to Aug. 5, 1893	27	Regular	283
New York, N. Y.	Dec. 4 to 8, 1893..... 28		14th Annual..	268
Montreal, Canada	June 5 to 8, 1894.... 29		Regular	133
New York, N. Y.	Dec. 3 to 7, 1894..... 30		15th Annual..	383
Detroit, Mich. J.	June 25 to 28, 1895... 31		Regular	132
New York, N. Y.	Dec. 2 to 6, 1895.... 32		16th Annual..	346
St. Louis, Mo....	May 19 to 22, 1896... 33		Regular	92
New York, N. Y.	Dec. 1 to 4, 1896.... 34		17th Annual..	391
Hartford, Conn..	May 25 to 28, 1897... 35		Regular	205
New York, N. Y.	Nov. 30 to Dec. 3, 1897	36	18th Annual..	378
Niagara Falls, N.Y	May 31 to June 3, 1898	37	Regular	137
New York, N. Y.	Nov. 29 to Dec. 2, 1898	38	19th Annual..	351
Washington, D. C.	May 9 to 12, 1899... 39		Regular	274
New York, N. Y.	Dec. 5 to 8, 1899.... 40		20th Annual..	469
Cincinnati, O....	May 15 to 18, 1900... 41		Regular	144
New York, N. Y.	Dec. 4 to 7, 1900.... 42		21st Annual ...	467
Milwaukee, Wis..	May 28 to 31, 1901... 43		Regular	156
New York, N. Y.	Dec. 3 to 6, 1901.... 44		22d Annual ...	519
Boston, Mass.....	May 27 to 30, 1902... 45		Regular	375
New York, N. Y.	Dec. 2 to 5, 1902.... 46		23d Annual ...	474
Saratoga, N. Y.	June 23 to 26, 1903... 47		Regular	315
New York, N. Y.	Dec. 1 to 4, 1903.... 48		24th Annual..	538
Chicago, Ill.....	May 31 to June 4, 1904	49	Regular	350
New York, N. Y.	Dec. 6 to 9, 1904.... 50		25th Annual..	542
Scranton, Pa.....	June 6 to 9, 1905.... 51		Regular	121
New York, N. Y.	Dec. 5 to 8, 1905.... 52		26th Annual..	700
Chattanooga, Tenn	May 1 to 4, 1906.... 53		Regular	212
New York, N. Y.	Dec. 4 to 7, 1906.... 54		27th Annual..	735
Indianapolis, Ind	May 28 to 31, 1907... 55		Regular	296
New York, N. Y.	Dec. 3 to 6, 1907.... 56		28th Annual..	699
Detroit, Mich....	June 23 to 26, 1908... 57		Regular	269

Place	Date	No.	Class of Meeting	Members Present
New York, N. Y.	Dec. 1 to 4, 1908....	58	29th Annual..	738
Washington, D. C.	May 4 to 7, 1909....	59	Regular	276
New York, N. Y.	Dec. 7 to 10, 1909....	60	30th Annual..	628
Atlantic City, N. J.	May 31 to June 3, 1910	61	Regular	135
New York, N. Y.	Dec. 6 to 9, 1910....	62	31st Annual ..	633
Pittsburgh, Pa...	May 30 to June 2, 1911	63	Regular	305
New York, N. Y.	Dec. 5 to 8, 1911....	64	32d Annual ..	687
Cleveland, O.....	May 28 to 31, 1912...	65	Regular	221
New York, N. Y.	Dec. 3 to 6, 1912....	66	33d Annual ..	562
Baltimore, Md. . .	May 20 to 23, 1913...	67	Regular	142
New York, N. Y.	Dec. 2 to 5, 1913....	68	34th Annual..	778
St. Paul-Minneapls	June 16 to 19, 1914...	69	Regular	200
New York, N. Y.	Dec. 1 to 4, 1914....	70	35th Annual..	821
Buffalo, N. Y....	June 22 to 25, 1915...	71	Regular	223
New York, N. Y.	Dec. 7 to 10, 1915....	72	36th Annual..	813
New Orleans, La.	April 11 to 14, 1916...	73	Regular	114
New York, N. Y.	Dec. 5 to 8, 1916....	74	37th Annual..	953
Cincinnati, Ohio.	May 21 to 24, 1917...	75	Regular	410
New York, N. Y.	Dec. 4 to 7, 1917....	76	38th Annual..	1115

DEPOSITORIES FOR TRANSACTIONS

Agricultural and Mechanical College, College Station, Tex.

Allegheny Carnegie Free Library, Pittsburgh, Pa.

Altoona Mechanics Library, Altoona, Pa.

Armour Institute of Technology, Chicago, Ill.

Boston Public Library, Boston, Mass.

Brooklyn Public Library, Brooklyn, N. Y.

Brown & Sharpe Mfg. Co., Providence, R. I.

Brown University Library, Providence, R. I.

Cambria Library Association, Johnstown, Pa.

Carnegie Free Library, Allegheny, Pa.

Case School of Applied Science, Cleveland, O.

Cincinnati Public Library, Cincinnati, O.

Cleveland Public Library, Cleveland, O.

College of Hawaii, Honolulu, Hawaii.

Colorado School of Mines, Golden, Colo.

Commonwealth Edison Co., Chicago, Ill.

Cooper Union, New York, N. Y.

Cornell University, Ithaca, N. Y.

Dallas Public Library, Dallas, Tex.

Detroit Public Library, Detroit, Mich.

Free Library of Philadelphia, Philadelphia, Pa.

Free Public Library, New Haven, Conn.

Free Public Library, Trenton, N. J.

Grand Rapids Public Library, Grand Rapids, Mich.

Grosvenor Library, Buffalo, N. Y.

Hartford Public Library, Hartford, Conn.

Harvard University, Cambridge, Mass.

Haverford College Library, Haverford, Pa.

Illinois University, Urbana, Ill.

Iowa State College, Ames, Ia.

Iowa State Library, Des Moines, Ia.

John Crerar Library, Chicago, Ill.

Johns Hopkins University, Baltimore, Md.

Kansas City Public Library, Kansas City, Mo.
 Kansas State Agricultural College, Manhattan, Kan.
 Kingston School of Mining, Kingston, Canada.
 Lehigh University, Bethlehem, Pa.
 Leland Stanford Jr. University, Palo Alto, Cal.
 Lewis Institute, Chicago, Ill.
 Library Association of Portland, Portland, Ore.
 Library of Congress, Washington, D. C.
 Library of Hawaii, Honolulu, Hawaii.
 Lowell City Library, Lowell, Mass.
 Lowell Textile School, Lowell, Mass.
 McGill University, Montreal, Canada.
 Massachusetts Institute of Technology, Boston, Mass.
 Master Car Builders Association, Chicago, Ill.
 Mechanics-Mercantile Library, San Francisco, Cal.
 Michigan Agricultural College, Lansing, Mich.
 Michigan School of Mines, Houghton, Mich.
 Mitchell Library, Glasgow, Scotland.
 Municipal School of Technology, Manchester, England.
 Municipal University of Akron, Akron, O.
 Nebraska University, Lincoln, Neb.
 New Hampshire College of Agriculture and Mechanic Arts, Durham, N. H.
 New Hampshire State Library, Concord, N. H.
 New Mexico College of Agricultural and Mechanical Arts, Mesilla Park,
 New Mex.
 New York Public Library, New York, N. Y.
 New York State Library, Albany, N. Y.
 Newark Free Public Library, Newark, N. J.
 Newark Technical School, Newark, N. J.
 North Dakota University, Grand Forks, N. D.
 Northwestern University, Evanston, Ill.
 Ohio State University, Columbus, O.
 Omaha Public Library and Museum, Omaha, Neb.
 Oregon Agricultural College, Corvallis, Ore.
 Oregon University, Eugene, Oregon.
 Pei Yang University, Tientsin, China.
 Pennsylvania State College, State College, Pa.
 Pennsylvania University Library, Philadelphia, Pa.
 Phelps Dodge Corporation, New York City.
 Philadelphia Free Library, Philadelphia, Pa.
 Pittsburgh Carnegie Library, Pittsburgh, Pa.
 Plainfield Public Library, Plainfield, N. J.
 Polytechnic Institute of Brooklyn, Brooklyn, N. Y.
 Portland Library Association, Portland, Oregon.
 Pratt Institute Free Library, Brooklyn, N. Y.
 Princeton University, Princeton, N. J.
 Public Library, Adelaide, S. Australia.
 Public Library of Cincinnati, Cincinnati, O.
 Public Library, Fort Wayne, Ind.
 Public Library, Los Angeles, Cal.
 Public Library, Schenectady, N. Y.
 Public Library, Washington, D. C.
 Purdue University, Lafayette, Ind.
 Rice Institute, Houston, Tex.
 Rochester Engineering Society, Rochester, N. Y.
 Rose Polytechnic Institute, Terre Haute, Ind.
 Rutgers College, New Brunswick, N. J.
 St. Louis Mercantile Library Association, St. Louis, Mo.

St. Louis Public Library, St. Louis, Mo.
San Francisco Public Library, San Francisco, Cal.
Seymour Library, Auburn, N. Y.
Sheffield Scientific School, New Haven, Conn.
Smithsonian Institution, U. S. National Museum, Washington, D. C.
State College of Washington, Pullman, Wash.
State University of Iowa, Iowa City, Ia.
State University of Kentucky, Lexington, Ky.
State University of North Dakota, University, N. D.
Steel Works Club, Joliet, Ill.
Stevens Institute of Technology, Hoboken, N. J.
Syracuse Public Library, Syracuse, N. Y.
Toledo Public Library, Toledo, O.
Tulane University, New Orleans, La.
United States Bureau of Standards, Department of Commerce, Washington, D. C.
United States Geological Survey, Washington, D. C.
University Library, Edinburgh, Scotland.
University of Cincinnati, Cincinnati, O.
University of Idaho, Moscow, Idaho.
University of Illinois, Urbana, Ill.
University of Kansas, Lawrence, Kan.
University of Leeds, Leeds, England.
University of Maine, Orono, Me.
University of Michigan, Ann Arbor, Mich.
University of Minnesota, Minneapolis, Minn.
University of Missouri, Columbia, Mo.
University of Missouri, Rolla, Mo.
University of Nebraska, Lincoln, Neb.
University of Pennsylvania, Philadelphia, Pa.
University of Tennessee, Knoxville, Tenn.
University of Vermont, Burlington, Vt.
University of Washington, Seattle, Wash.
University of Wisconsin, Madison, Wis.
Utah University, Salt Lake City, Utah.
University of Wyoming, Laramie, Wyo.
Vanderbilt University, Nashville, Tenn.
Vermont University Library, Burlington, Vt.
Virginia Polytechnic Institute, Blacksburg, Va.
Wabash Refining Co., Robinson, Ill.
Washington State College, Pullman, Wash.
Washington Steel and Ordnance Co., Washington, D. C.
Washington University, St. Louis, Mo.
West Virginia University, Morgantown, W. Va.
Worcester Free Public Library, Worcester, Mass.
Worcester Polytechnic Institute, Worcester, Mass.
Youngstown Sheet and Tube Co., Youngstown, O.

CHARTER

CERTIFICATE OF INCORPORATION OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS AND THE MECHANICAL ENGINEERS' LIBRARY ASSOCIATION, TOGETHER WITH THE ORDER OF THE SUPREME COURT FOR THEIR CONSOLIDATION.

ORDER FOR CONSOLIDATION

At a Special Term, Part II, of the New York Supreme Court, held in and for the City and County of New York, in the County Court House, Borough of Manhattan, City of New York, on the 17th day of October, 1907.

PRESENT:

HONORABLE JAMES A. BLANCHARD,

Justice

IN THE MATTER OF THE PETITION
OF

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS AND OF THE MECHANICAL ENGINEERS' LIBRARY ASSOCIATION, FOR AN ORDER CONSOLIDATING THEM INTO ONE CORPORATION.

Upon reading and filing the annexed petition of The American Society of Mechanical Engineers, verified on the 15th day of October, 1907; and the petition of The Mechanical Engineers' Library Association, verified the 15th day of October, 1907; and the agreement of consolidation entered into between The American Society of Mechanical Engineers and The Mechanical Engineers' Library Association, on the 16th day of September, 1907; and the certificate of approval by the Chairman and Clerk of a meeting of the Fellows of The Mechanical Engineers' Library Association, duly acknowledged on the 15th day of October, 1907; and the certificate of approval by the Chairman and Clerk of a meeting of the Members of The American Society of Mechanical Engineers, duly acknowledged on the 15th day of October, 1907;

And it appearing to the satisfaction of the Court from the aforesaid papers that The American Society of Mechanical Engineers and The Mechanical Engineers' Library Association are membership corporations, incorporated under the laws of the State of New York, for kindred purposes, being purposes for which a corporation may be formed under the Membership Corporations' Law of the State of New York; and that the said corporations have heretofore duly entered into an agreement

NOTE.—On December 15, 1910, the Secretary of State of the State of New York filed and recorded a supplemental certificate of incorporation which provides that the annual meeting and annual election of officers shall be held at such time and in such manner as shall be provided in the Constitution and By-Laws.

for the consolidation of said corporations, which said agreement sets forth the terms and conditions of consolidation, the names of the proposed corporation, the number of its Directors, the time of the annual election, and the names of the persons to be Directors until the first annual meeting;

That each of the said corporations has duly petitioned the Supreme Court for an order consolidating the two corporations, which said petition sets forth the agreement for consolidation, and a statement of all the property and liabilities, and the amount and sources of its annual income of each of said corporations; and that before the presentation of the said petition to this Court the agreement and the petition were approved by more than three-fourths of the votes legally cast at a meeting of said corporation, separately and specially called for that purpose, which approval, duly verified by the Chairman and Clerk of such meeting, is duly annexed to said petition;

And the Court, being satisfied that the said petition should be granted:

NOW, THEREFORE, Upon motion of Porter and Barnes, attorneys for the petitioners;

IT IS HERBY ORDERED, That The American Society of Mechanical Engineers and The Mechanical Engineers' Library Association, as they now exist, be and the same hereby are, in accordance with Section VII, Article I of the Membership Corporations' Law of the State of New York, consolidated into one corporation, upon the following terms and conditions, to-wit—

That the two corporations be consolidated into one corporation: that all the property now owned by either of the two corporations be owned by the one consolidated corporation; that all the liabilities of either of the two corporations shall be assumed and paid by the one consolidated corporation; that the members of each of the two corporations shall become, without the payment of any initiation fees, or other dues, members in equal standing in the one consolidated corporation; that the consolidated corporation shall be governed by the Constitution, and By-Laws and Rules of The American Society of Mechanical Engineers, as the same exist at the time of the signing of this order; that the name of the new consolidated corporation shall be "THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS"; that the number of the Directors of the new corporation shall be twenty-two: that the annual election shall be held on the first Tuesday of December of each year; that the names of the persons to be Directors of the corporation until the first annual meeting shall be:

FREDERICK R. HUTTON
WALTER M. McFARLAND
EDWARD N. TRUMP
ROBERT C. McKINNEY
ALEX DOW
P. W. GATES
J. W. LIEB, JR.
WM. H. WILEY
A. L. RIKER
GEO. M. BRILL
FRED J. MILLER

RICHARD H. RICE
WALTER LAIDLAW
FRANK G. TALLMAN
FREDERICK M. PRESCOTT
A. J. CALDWELL
G. M. BASFORD
F. W. TAYLOR
JOHN R. FREEMAN
AMBROSE SWASEY
JAMES M. DODGE
EDWIN REYNOLDS

ENTER

J. A. BLANCHARD,

Justice of the Supreme Court.

CONSTITUTION

NOTE.—The rules of the Society adopted in 1880 were in force until 1884, when they received general revision by a Committee whose report, distributed by letter-ballot, was adopted November 5, 1884. In December, 1894, a similar extensive revision was made under the direction of the Council. In December, 1903, new Constitution, By-Laws and Rules, formulated by a special committee were adopted and went into effect. These have been amended from time to time. The Constitution was further amended by a letter-ballot on March 3, 1913, and still further amendments are now pending.

NAME, OBJECT, AND GOVERNMENT

C 1 The title of this society is "The American Society of Mechanical Engineers."

C 2 The object of the Society is to promote the Arts and Sciences connected with Engineering and Mechanical Construction. The principal means for this purpose shall be the holding of meetings for the reading and discussion of professional papers, and for social intercourse; the publication and distribution of its papers and discussions; and the maintenance of an Engineering Library.

C 3 The Society shall be governed by this Constitution and by By-Laws and Rules in harmony therewith.

C 4 The Society was organized as a Corporation under the laws of the State of New York, April 7, 1880. Its offices shall be located in the City of New York.

MEMBERSHIP

C 5 Persons connected with the Arts and Sciences relating to Engineering or Mechanical Construction may be eligible for admission into the Society.

C 6 The membership of the Society shall consist of Honorary Members, Members, Associates, Associate-Members, and Juniors. Honorary Members, Members, Associates and Associate-Members are entitled to vote and to hold office. Juniors are not entitled to vote nor to hold office, but are entitled to all the other privileges of membership.

C 7 Honorary Members, Members, Associates and Associate-Members are entitled to vote on all questions before any meeting of the Society, in person, or by a proxy given to a person entitled to vote. A proxy shall not be valid for a greater time than for six months.

C 8 An Honorary Member shall be a person of acknowledged professional eminence. The number of Honorary Members shall not exceed 25 at any time.

C 9 A Member shall be an Engineer or Teacher of Applied Science of thirty-two years of age, or over, and shall have been in the active practice of his profession for at least ten years and in responsible charge of important work for five years, and shall be qualified to design as well as to direct engineering work. Fulfilling the duties of a professor of Engineering who is in charge of a department in a college or school of accepted standing shall be taken as an equivalent to an equal number of years of active practice. Graduation from a school of engineering of recognized

standing shall be considered as equivalent to two years of active practice.

C 10 An Associate shall be thirty years of age or over. He need not be an Engineer, but must have been so connected with some branch of Engineering or Science, or the Arts, or Industries, that the Council will consider him qualified to coöperate with Engineers in the advancement of professional knowledge.

C 11 An Associate-Member shall be a professional engineer not less than twenty-seven years of age, who shall have been in the active practice of his profession for at least six years, and who shall have had responsible charge of work as principal or assistant for at least one year. Graduation from a school of engineering of recognized reputation shall be considered as equivalent to two years' active practice.

C 12 A Junior shall be twenty-one years of age or over. He must have had such engineering experience as will enable him to fill a subordinate position in engineering work, or he must be a graduate of an engineering school.

C 13 The rights and privileges of every Honorary Member, Member, Associate, Associate-Member and Junior shall be personal to himself, and shall not be transferable or transmissible by his own act or by operation of law.

ADMISSION

C 14 Honorary Members shall be nominated by at least ten members of the Society. The grounds upon which the nomination is made shall be presented to the Council in writing.

C 15 All applications for membership to the grades of Member, Associate, Associate-Member or Junior shall be presented to the Council, which shall consider and act upon each application, assigning each approved applicant to the grade of membership to which in the judgment of the Council, his qualifications entitled him. The name of each candidate thus approved by the Council shall, unless objection is made by the applicant, be submitted to all the members of the Council for election, by means of a letter-ballot.

C 16 Any person desiring to change his grade of membership shall make application to the Council in the same manner as is required in the case of a new applicant.

C 17 Election to membership shall be by sealed letter-ballot of the Council as the By-Laws shall provide. Fifteen affirmative votes shall be required for the election of a candidate to membership in any grade. One negative vote shall defeat an election to Honorary Membership. Two negative votes shall defeat an election to any other grade.

C 18 Each person elected, excepting Honorary Members, shall subscribe to this Constitution, and shall pay the initiation fee before he can be entitled to the rights and privileges of membership. If such person does not comply with this requirement within six months after notice of his election, he will be deemed to have declined election. The Council may, thereupon, declare his election void.

INITIATION FEES AND DUES

C 19 The initiation fee for membership in each grade shall be as follows:

For Member	\$25.00
For Associate	25.00
For Associate Member	25.00
For Junior	15.00

C 20 A Junior, on promotion to any other grade of membership, shall pay an additional fee of \$10.

C 21 The annual dues for membership in each grade shall be as follows:

For Member	\$15.00
For Associate	15.00
For Associate-Member	15.00
For Junior	10.00

for the first six years of his membership and thereafter the same as for an Associate-Member.

C 22 The Council may, in its discretion, permit any Member, Associate or Associate-Member to become a Life Member in the same grade, by the payment at one time of an amount sufficient to purchase from the Equitable Life Assurance Society of New York, an annuity on the life of a person of the age of the applicant equal to the annual dues in his grade. Such Life Member shall not be liable thereafter for annual dues.

C 23 The Council shall have the power, by letter-ballot, to admit to Life-Membership, without the payment of a life membership fee, any person who, for a long term of years, has been a member, an Associate or an Associate-Member when, for special reasons, such procedure would in its judgment, promote the best interests of the Society, provided that notice of such proposed action shall have been given at a previous meeting to the Council. One dissenting vote shall defeat such admission.

SUSPENSIONS AND EXPULSIONS

C 24 A person in any grade of membership who shall leave his annual dues unpaid for an year shall not receive the volume of Transactions until such arrears are paid. A person who shall leave his dues unpaid for two years shall, in the discretion of the Council, have his name stricken from the roll of membership, and shall cease to have any further rights as such.

C 25 The Council may refuse to receive the dues of any member of any grade, who shall have been adjudged by the Council to have violated the Constitution or By-Laws of the Society, or who, in the opinion of the Council by a two-thirds vote, shall have been guilty of conduct rendering him unfit to continue in its membership; and the Council may expel such person and remove his name from the list of members.

THE COUNCIL

C 26 The affairs of the Society shall be managed by a board of directors chosen from among its Members, Associates and Associate-Members, which shall be styled "The Council." The Council shall consist of the President of the Society, who shall be the presiding officer, six Vice-Presidents, nine Managers, the Treasurer, and the five surviving Past-Presidents who have last held office. Five members of the Council shall constitute a quorum for the transaction of business. The Secretary may take part in the deliberations of the Council, but shall not have a vote therein. The Chairman of the Finance Committee shall attend the meetings of the Council and take part in the discussion of financial questions, but shall not have a vote.

C 27 The Council thus constituted shall be the legal trustee of the Society. All gifts or bequests not designated for a specific purpose shall be invested by the Council, and only the income therefrom may be used for current expenses.

C 28 Should a vacancy occur in the Council, or in any elective office except the Presidency, through death, resignation or other cause, the Coun-

cil may elect a Member, Associate or Associate-Member to fill the vacancy until the next annual election.

C 29 The Council shall regulate its own proceedings, and may by resolution delegate specific powers to an Executive Committee or to any one or more members of the Council. No act of the Executive Committee or of a delegate shall be binding until it has been approved by a resolution of the Council.

C 30 The Council shall present at the Annual Meeting of the Society a report verified by the President or Treasurer or by a majority of the members of the Council, showing the whole amount of real and personal property owned by the Society, where located, and where and how invested, and the amount and nature of the property acquired during the year immediately preceding the date of the report, and the manner of the acquisition; the amount applied, appropriated or expended during the year immediately preceding such date, and the purposes, objects or persons to or for such applications, appropriations, or expenditures have been made; also the names and places of residence of the persons who have been admitted into membership in the Society during the last year, which report shall be filed with the records of the Society, and an abstract thereof shall be entered in the minutes of the proceedings of the Annual Meeting.

C 31 An act of the Council, which shall have received the expressed or implied sanction of the membership at the next subsequent meeting of the Society, shall be deemed to be the act of the Society, and shall not afterwards be impeached by any member.

C 32 The Council may, by a two-thirds vote of the members present, declare any elective office vacant, on the failure of its incumbent for one year, from inability or otherwise, to attend the Council meetings, or to perform the duties of his office, and shall thereupon appoint a Member, Associate or Associate-Member to fill the vacancy until the next Annual Meeting. The said appointment shall not render the appointee ineligible to election to any office.

C 33 At each Annual Meeting there shall be elected from among the Members, Associates and Associate-Members:

A President, to hold office for one year.

Three Vice-Presidents, each to hold office for two years.

Three Managers, each to hold office for three years.

A Treasurer, to hold office for one year.

C 34 The election of officers shall be by sealed letter-ballot, as the By-Laws shall provide.

C 35 The term of all elective officers shall begin on the adjournment of the Annual Meeting of the Society. Officers shall continue in their respective offices until their successors have been elected and have accepted their offices.

C 36 A President, Vice-President, or Manager shall not be eligible for immediate re-election to the same office at the expiration of the term for which he was elected.

C 37 The Council, at its first meeting after the Annual Meeting of the Society, shall appoint a person of the grade of Member to serve as Secretary of the Society for one year subject to removal for cause by an affirmative vote of members of the Council, at any time after one month's written notice has been given him to show cause why he should not be removed, and he has been heard in his own defense, if he so desires. The Secretary shall receive a salary which shall be fixed by the Council at the time of his appointment.

The Council may also in its discretion appoint a person of the grade of Member to be an Honorary Secretary of the Society for a term not to

exceed one year, but he may be reappointed from year to year. He shall perform such duties as may be assigned to him by the Council which are in conformity with the Constitution and By-Laws, and with or without compensation as the Council may direct.

C 38 The President, Secretary, and Treasurer shall perform the duties legally or customarily attaching to their respective offices under the laws of the State of New York, and such other duties as may be required of them by the Council.

C 39 A vacancy in the office of President shall be filled by the Vice-President, who is senior by age.

MEETINGS

C 40 The Society shall hold two meetings in each year. The Annual Meeting shall begin in New York City on the first Tuesday in December, and a Semi-Annual Meeting shall be held at such time and place as the Council may appoint. Fifty persons entitled to vote shall constitute a quorum for the transaction of business.

C 41 Special meetings of the Society may be called at any time at the discretion of the Council, or shall be called by the President upon the written request of fifty persons entitled to vote, the notices for such meetings to state the business for which such meeting is called and no other business shall be entertained or transacted at that meeting.

C 42 The expenses of all meetings of the Society and of any group or section thereof, shall be arranged in accordance with such By-Laws and Rules as the Council may from time to time adopt, provided, however, that nothing in this section shall be construed to authorize the Council to make any increase in the annual dues of members in any grade.

C 43 Any appropriation recommended by the Society at a meeting shall not take effect until it has been approved by the Council.

C 44 Every question which shall come before a meeting of the Society or of the Council or a Committee, shall be decided by a majority of the votes cast, unless otherwise provided in this Constitution or the By-Laws or the Laws of the State of New York. The Council may order the submission of any question to the membership for discussion by letter-ballot. Any meeting of the Society at which a quorum is present, may order the submission of any question to the membership for discussion by letter-ballot.

STANDING COMMITTEES

C 45 The Standing Committees of the Society to be appointed by the President shall be:

- Finance Committee.
- Committee on Meetings.
- Publication Committee.
- Membership Committee.
- Library Committee.
- House Committee.
- Research Committee.
- Public Relations Committee.
- Committee on Constitution and By-Laws.
- Committee on Standardization.

C 46 There shall be a John Fritz Medal Committee of four members appointed, as provided in the By-Laws.

C 47 The Annual Committees shall be:

- An Executive Committee, appointed by the Council;
- A Nominating Committee, appointed by the President;

Tellers as required by the By-Laws, appointed by the President.

C 48 Special Nominating Committee:

Twenty or more persons entitled to vote may constitute themselves a Special Nominating Committee, with the same powers as the Annual Nominating Committee.

C 49 Professional Committees:

The Council shall have power to appoint, upon a recommendation of the Society at a general meeting, or upon its own initiative, such Professional Committees as it may deem desirable, to investigate, consider, and report upon subjects of engineering interest. Reports of such committees may be accepted by the Society and printed in the Transactions, but shall not be approved or adopted as the action of the Society. Any proposed expenses of such committees must be authorized by the Council before they are incurred.

C 50 Each committee shall perform the duties required of it in the By-Laws, or assigned to it by the Council. The Secretary of the Society shall be the Secretary of each of the Standing Committees.

C 51 The Council may at any time, in its own discretion, remove any or all members of any committee, except a Nominating Committee; and the vacancy arising from this or from any other cause, shall be filled by appointment by the President, except a vacancy in the Executive Committee, which shall be filled by the Council.

SECTIONS OF THE SOCIETY

C 52 The Council may, in its discretion, authorize the organization of sections or groups of any or all grades of membership, for professional or scientific purposes which are in harmony with the Constitution and By-Laws of this Society. Such sections or groups may in the discretion of the Council, be geographical or professional, and shall have such powers, and act under such rules and regulations as the Council may from time to time prescribe.

TRANSACTIONS

C 53 The official record of technical papers and discussions shall be known as the Transactions of the Society, and shall be published under the direction of the Council. There may be included therein the annual report of the Council, reports of committees, and business records of the Society.

C 54 The Society shall claim no exclusive copyright to any papers read at its meetings, or any reports or discussions thereon, except in the matter of their official publication under the Society's imprint as its Transactions. The policy of the Society shall be to give the professional and scientific papers read before it the widest circulation possible, with the view of making the work of the Society known, encouraging Engineering progress, and extending the professional reputation of its members.

C 55 The Society shall not be responsible for statements or opinions advanced in papers or in discussions at its meetings. Matters relating to politics or purely to trade shall not be discussed at a meeting of the Society, nor be included in the Transactions.

C 56 The Society shall not approve or adopt any standard or formula, or approve any engineering or commercial enterprise. It shall not allow its imprint or name to be used in any commercial work or business.

AMENDMENTS TO THE CONSTITUTION

C 57 At any Semi-Annual Meeting of the Society any person entitled to vote may propose in writing an amendment to this Constitution. Such

proposed amendment shall not be voted at that meeting, but shall be open to discussion and to such modification as may be accepted by the proposer. The proposed amendment shall be mailed in printed form by the Secretary to each person entitled to vote, at least sixty days previous to the next Annual Meeting, accompanied by comment by the Council, if it so elects. At that Annual Meeting such proposed amendment shall be presented for discussion and final amendment, and shall subsequently be submitted to all persons entitled to vote, provided that twenty votes are cast in favor of such submission. The final vote on adoption shall be by sealed letter-ballot, closing at 12 o'clock noon, on the first Monday of March following.

C 58 The letter-ballot, accompanied by the text of the proposed amendment, shall be mailed by the Secretary to each person entitled to vote, at least thirty days previous to the closure of the voting. The ballots shall be voted, canvassed, and announced as provided in the By-Laws. The adoption of the amendment shall be decided by a majority of the votes cast. An amendment shall take effect on the announcement of its adoption by the Presiding Officer of the Semi-Annual Meeting next following the closure of the vote.

AMENDMENTS TO BY-LAWS AND RULES

C 59 For the further ordering of the affairs of the Society, the Council may, by a two-thirds vote of its members present, amend the By-Laws in harmony with this Constitution, provided that a written notice of such proposed amendment shall have been given at the previous regular meeting of the Council; and provided further that the Secretary shall have mailed to each member of the Council a copy of such proposed amendment, at least thirty days in advance of the meeting of the Council at which action is to be taken. The amendment shall take effect immediately on its passage by the Council. The Secretary shall at once mail a copy of such amendment to the members of all grades.

C 60 The Council may, by a majority vote of the members present at any meeting, establish, amend, or annul Rules for the conduct of the business affairs of the Society; for the ordering and conduct of its professional or business meetings; and for the guidance of its committees in their work and reports; provided that such rules are in harmony with the Constitution and By-Laws of the Society.

CONSTITUTION GOES INTO EFFECT

C 61 This Constitution shall supersede all previous Rules of the Society, and shall go into effect on the announcement by the Presiding Officer of its adoption.

BY-LAWS

CANDIDATES FOR MEMBERSHIP

B 1 A candidate for admission to the Society as a Member, Associate, or Associate-Member must make application on a form approved by the Council, upon which he shall write a statement giving a complete account of his qualifications and engineering experience, and an agreement that he will, if elected, conform to the Constitution, By-Laws and Rules of the Society. He must refer to at least five Members, Associates, or Associate-Members to whom he is personally known.

B 2 A candidate for admission to the Society as a Junior must make application in the same manner as provided for Members, except that he must refer to not less than three Members, Associates, or Associate-Members to whom he is personally known.

B 3 Application for membership from candidates who may be so situated as not to be personally known to the necessary number of members of the Society may be recommended by the Membership Committee for ballot, after sufficient evidence has been secured to show that in its opinion the applicant is worthy of admission to membership. Such applicants for membership may refer to officers or voting members of other engineering societies of like standing.

B 4 References shall not be required of candidates for Honorary Membership.

B 5 The references for each candidate for admission to the Society shall be requested to make a confidential communication to the Membership Committee, setting forth in detail such information, personally known to the referee, as shall enable the Council to arrive at a proper estimate of eligibility of the candidate for admission to the Society.

ELECTION OF MEMBERS

B 6 The Secretary shall mail to each member of the Council a ballot stating the names and respective grades of the candidates for membership in the Society which have been approved by the Membership Committee after having been duly posted in The Journal. The voter shall prepare his ballot by crossing out the name of any candidate rejected by him, and shall enclose said ballot in an envelope and seal the same; he shall then enclose said envelope in a second envelope marked "Ballot for Members," and seal the same, and he shall then write his own name thereon for identification. A ballot without the autographic endorsement of the voter written on the outer envelope is defective, and shall be rejected.

B 7 The Secretary shall count the ballots cast by the Council for election of new members, notify the applicants of their election, and regularly report the results of the ballots at the Council meeting next following such election. The names of applicants who are not elected shall neither be announced nor recorded in the Transactions.

B 8 Election to Honorary Membership shall be by letter-ballot of the Council. A notice of such proposed election shall be mailed by the Secre-

tary to each member of the Council at least sixty days in advance of the date set for the closure of such election.

B 9 Each person elected to membership, except an Honorary Member, must subscribe to the Constitution, By-Laws and Rules of the Society and pay the initiation fee before he can receive a certificate of membership in the Society. Resignations from membership shall be presented to the Council for action.

ELECTION OF OFFICERS

B 10 The Secretary shall mail on or before the last Thursday in October of each year to each member entitled to vote a ballot stating the names of the candidates for the several offices falling vacant, and the time of the closure of the voting. The voter shall prepare his ballot by crossing out the name of any candidate or candidates rejected by him, and may write in the name of any eligible member of the Society. The voter shall enclose said ballot in an envelope and seal the same. He shall then enclose the sealed envelope in a second envelope marked "Ballot for Officers," seal the same, and shall then write his name thereon for identification. The ballot thus prepared and enclosed shall be mailed or delivered unopened to the Tellers of Election. The Secretary shall certify to the competency and signature of all voters. A ballot without the autographic endorsement of the voter written on the outside envelope is defective, and shall be rejected by the Tellers of Election. A ballot which contains more names than there are offices to be filled is thereby defective, and shall be rejected by the Tellers.

B 11 The voting for the election of officers shall close at ten o'clock in the forenoon on the first Tuesday in December in each year. The Tellers shall not receive any ballot after the stated time for the closure of the voting. The Tellers of Election shall first open and destroy the outer envelopes and shall then open the inner ones, canvass the ballots and certify the result to the President or Presiding Officer at the first session of the current meeting of the Society. The presiding Officer shall then announce the candidates having the greatest number of votes for their respective offices, and declare them elected for the ensuing year.

B 12 The names of the candidates proposed by the Nominating Committee or Committees, and the respective offices for which they are candidates, shall be printed in separate lists on the same ballot sheet, each list of candidates to be printed under the names of the members of the particular committee which proposed it.

B 13 In case of a tie in the vote for any officer, the President or, in his absence, the Presiding Officer, shall cast the deciding vote.

INITIATION FEES AND DUES

B 14 The initiation fee and that part of the annual dues from the first of the month following the date of election to the first of October following, shall be due and payable on the first day of the month following the date of election of a Member, Associate, Associate-Member or Junior. Upon the payment of this amount, the person elected shall be entitled to the rights and privileges of membership in the grade to which he is elected. The annual dues for each ensuing year shall be due and payable in advance, on the first day of October in each year thereafter. No member shall be in arrears in payment of dues until the dues shall be unpaid for one year.

B 15 A Member, Associate, Associate-Member or Junior in arrears for dues for one year, on the first day of October previous to the Annual Meeting, shall not be entitled to vote, or to receive the Transactions or the pub-

lications issued by the Society thereafter until such dues have been paid. Should the arrears for dues or otherwise be for more than two years, the name of such person shall be presented to the Council for such action as it deems advisable under C 24. Should the right to vote, or to receive the publications of the Society be questioned, the books of the Society shall be conclusive evidence.

B 16 (a) The Council may in its discretion restore to membership any person dropped from the rolls for non-payment of dues or otherwise upon such terms and conditions as it may at the time deem best for the interests of the Society.

(b) The Council may in its discretion remit the dues of any member of the Society in any grade who is engaged in military or other patriotic service of the United States during the continuance of the war conditions and for a period thereafter.

(c) The Council shall permanently exempt from dues any member of the Society who has paid dues for thirty-five years or who shall have reached the age of seventy years after having paid dues for thirty years.

FINANCIAL ADMINISTRATION

B 17 The Council, at its first meeting in each fiscal year, shall consider the recommendations of the Finance Committee concerning the expenditure necessary for the work of the Society during that year. The apportioning of the work of the Society among the various Standing and other Committees shall be on a basis approved by the Council and in harmony with the Constitution and By-Laws. The appropriations approved by the Council, or so much thereof as may be required for the work of the Society, shall be expended by the Secretary, acting as Business Manager, under the direction of the various Committees of the Society, and all bills against the Society for such expenditure shall be certified by the Secretary and shall then be sent to the Finance Committee for audit. Money shall not be paid out by any officer or employee of the Society except upon vouchers duly audited by the Finance Committee.

THE JOURNAL

B 18 The Council shall institute a monthly publication to be called "The Journal," which shall be under the management of the Secretary, who shall act under the general supervision of the Publication Committee, subject to approval by the Council as to the policy thereof and the expenditures therefor. The annual subscription price of The Journal to each member is two dollars and is included in the annual dues of such member.

COMMITTEES

B 19 The President within one month after the Annual Meeting shall fill all vacancies in the Standing Committees by appointment from the membership of the Society.

Each of the Standing and the Annual Committees, shall, at their first meeting after the Annual Meeting, elect a Chairman to serve for one year. The President shall appoint the Chairman of each Professional Committee. A member of a Standing Committee, whose term of office has expired, shall continue to serve until his successor shall have been appointed.

FINANCE COMMITTEE

B 20 The Finance Committee shall consist of five Members, Associates, or Associate-Members. The term of office of one member of the Committee

shall expire at the end of each Annual Meeting. This Committee shall, under the direction of the Council, have a supervision of the financial affairs of the Society, including the books of account. The Committee may cause the accounts of the Society to be audited and approved annually by a chartered or other competent public accountant. The Committee shall hold monthly meetings for the audit of bills and such other business as shall come before it and shall deliver to the Secretary for presentation to the Council at the end of each fiscal year, a report of the financial condition of the Society for the past year, and also shall present therewith a detailed estimate for the probable income and expenditure of the Society for the following twelve months. It shall make recommendations to the Council as to investments, and, when called upon by the Council, advise upon financial questions. It shall have charge of the making of all contracts and other obligations to pay money in the Society's work and the ordering of all expenditures thereunder.

COMMITTEE ON MEETINGS

B 21 The Committee on Meetings shall consist of five persons who may be members of any grade. The term of office of one member of the Committee shall expire at the end of each Annual Meeting. It shall be the duty of the Committee to procure professional papers, to pass upon their suitability for presentation, and to suggest topical subjects for discussion at the Annual and Semi-Annual Meetings. The Committee may refer any paper presented to the Society to a person or persons, especially qualified by theoretical knowledge or practical experience, for their suggestions or opinions as to the suitability of the paper for presentation. Papers from non-members shall not be accepted except by unanimous vote of the Committee.

The Committee shall arrange the program, and shall have general charge of the entertainments to be provided for the members and guests for the above meetings. It shall prohibit the distribution or exhibition at the headquarters or at the places of the above meetings of all advertising circulars, pamphlets or samples of commercial apparatus or machinery. At the end of each fiscal year, the Committee shall deliver to the Secretary for presentation to the Council, a detailed report of its work.

PUBLICATION COMMITTEE

B 22 The Publication Committee shall consist of five Members, Associates, or Associate-Members. The Term of office of one member shall expire at the end of each Annual Meeting. The Committee shall review all papers and discussions which have been presented at the meetings, and shall decide what papers and discussions, or parts of the same, shall be printed in the Transactions of the Society. The Committee shall have the supervision of the monthly publication of the Society known as "The Journal." The Committee will be expected to publish all such data as will be of assistance to engineers or investigators in their work. At the end of each fiscal year the Committee shall deliver to the Secretary for presentation to the Council, a detailed report of its work.

MEMBERSHIP COMMITTEE

B 23 The Membership Committee shall consist of five Members, Associates or Associate-Members. The term of office of one member of the Committee shall expire at the end of each Annual Meeting. It shall be the duty of this Committee:

To meet monthly to receive and scrutinize all applications for membership to the Society:

To seek further information as to the qualifications of an applicant, whose evidence of eligibility is not clear to the Committee:

To report to each session of the Council the names of all applicants under consideration, together with the action of the Committee on each.

The Committee shall at once destroy all correspondence in relation to each applicant when his name has been placed on the ballot by order of the Council, or upon the withdrawal of the application.

LIBRARY COMMITTEE

B 24 There shall be a Standing Committee on Library to consist of four Members and the Secretary of the Society. One of the four Members shall be appointed by the President before the first day of each calendar year to serve for four years.

It shall be the duty of the Committee to represent the Society on the Library Board of the United Engineering Society.

The Committee shall deliver to the Secretary before October fifteenth of each year a detailed report of its work for the preceding twelve months and also of the work which it recommends for the next fiscal year, with an estimate of the cost thereof.

HOUSE COMMITTEE

B 25 There shall be a standing House Committee, which shall consist of five persons who shall be Members, Associates, Associate-Members or Juniors. The term of office of one Member of the Committee shall expire at the end of each Annual Meeting. It shall be the duty of the House Committee to have the care, management and maintenance of the rooms of the Society and furnishings, the historical relics, the paintings, and objects of art, and to recommend to the Council suitable regulations for their care and use. At the end of each fiscal year the Committee shall deliver to the Secretary a detailed report of its work.

EXECUTIVE COMMITTEE

B 26 The Council shall appoint from its members an Executive Committee to act for the Council during the interval between its sessions. The Committee shall make a report of its acts to each session of the Council for approval. The Secretary may take part in the deliberations of the Executive Committee, but shall not have a vote therein.

NOMINATING COMMITTEES

B 27 A Nominating Committee of five members, not members of the Council, shall be appointed before February first of each year by the President. The Secretary shall publish the names of this Committee in the March issue of The Journal together with a request to the voting membership of the Society that they recommend to the Committee the names of eligible persons for the elective offices to be filled at the next election. This Committee shall deliver to the Secretary in writing between the first and the fifteenth of June the names of its nominees for the various elective offices next falling vacant under the Constitution, together with the written consent of each nominee. The names of the nominees for the various offices proposed by this Committee shall be published by the Secretary under the names of the Committee in the July issue of The Journal.

B 28 A special Nominating Committee, if organized, shall on or before October fifteenth, present to the Secretary the names of its nominees for the elective offices next falling vacant under the Constitution, together with the written consent of each nominee. The names of the nominees for the various offices proposed by this Committee shall be published by the Secretary under the names of this Committee in the November issue of The Journal.

JOHN FRITZ MEDAL COMMITTEE

B 29 The John Fritz Medal Committee shall consist of four persons of the grade of Member, to be appointed by the Council. The term of office of one member of this Committee shall expire at the end of each Annual Meeting. The duty of this Committee shall be to represent the Society in the Board of Trustees of the John Fritz Medal Fund Corporation.

TRUSTEE UNITED ENGINEERING SOCIETY

B 30 The Council shall, previous to January 1st of each year, elect a trustee to serve for a term of three years on the Board of Trustees of the United Engineering Society. No trustee shall be eligible for more than two terms consecutively.

REPRESENTATIVE DELEGATES

B 31 The Council may, in its discretion, appoint a member or members of the Society, or other person or persons, to represent it at meetings of Societies of kindred aim or at public functions. Such delegates shall be designated as "Honorary Vice-Presidents," and their duties shall terminate with the occasion for which they were appointed.

TELLERS.

B 32 The President shall, on or before the last Thursday in October of each year, appoint three Tellers of Election of Officers, whose duty shall be to canvass the votes cast, and certify the same to the President or Presiding Officer at the first session of the Annual Meeting. Their term of office shall expire when their report of the canvass has been presented and accepted.

B 33 Ballots for an amendment to the Constitution shall be canvassed and announced in the same manner as the ballots for officers of the Society. The President shall appoint three Tellers to canvass any letter-ballots which shall be ordered by the Council or by the Society and to certify the same to the President, or the Presiding Officer.

MEETINGS

B 34 The Annual Meeting shall begin in the city of New York on the first Tuesday in December and continue from day to day as the Council may direct.

The Annual Business Meeting of the Society shall be held on the Wednesday following the first Tuesday of December.

The Semi-Annual meeting shall be held in such place and begin on such a day as the Council may direct, and continue from day to day.

The Semi-Annual Business Meeting of the Society shall be held immediately preceding the first professional session of the Semi-Annual Meeting.

Professional Meetings of the Society for the reading and discussion of papers and for topical discussions may be held at such times and places as the Council may direct.

Announcements of all meetings of the Society shall be published in The Journal.

A notice of each Annual and Semi-Annual Meeting and each Annual and Semi-Annual Business Meeting of the Society shall be mailed by the Secretary to each member in each grade not less than thirty days before the date of that meeting and at least thirty days before each Special Business Meeting.

SECRETARY

B 35 The Secretary of the Society shall be the Secretary to the Council, and also to each of the Standing Committees.

The Secretary shall, under the supervision of the Finance Committee, have charge of the books of Account of the Society.

He shall make and collect all bills against members or others.

He shall have charge of all bills against the Society, shall keep an account of the same, and shall present them in proper form to the Finance Committee for audit.

All funds received by any person for the Society, shall be delivered to the Secretary. He shall immediately enter them in the Books of Account, and shall immediately deposit such funds as he receives, to the credit of the Society, in a bank to be designated by the Council.

TREASURER

B 36 The Treasurer shall make payments only on the audit of the Finance Committee, or upon the direction of the Council, by resolution of that body. He shall furnish a bond for the faithful performance of his duties to such amount as the Council may require, such bond to be procured from an incorporated guarantee company, at the expense of the Society.

TITLES, EMBLEMS, CERTIFICATES

B 37 Each Member, Associate, Associate-Member and Junior shall, subject to such rules as the Council may establish, be entitled, on request, to a certificate of membership, signed by the President and Secretary of the Society. Every such certificate shall remain the property of the Society, and shall be returned to it on demand of the Council.

B 38 Each proxy authorizing a person to vote for an absent member, shall be signed by such absent member, with an attesting witness, and be submitted to the Secretary for verification of the member's right to vote at the meeting at which the right is to be exercised.

B 39 The emblem of each grade of membership approved by the Council shall be worn by those only who belong to that grade. The official stationery shall be used only by Officers and Committees of the Society.

B 40 The abbreviation of the titles of the various grades of membership approved by the Society are as follows:

For Honorary Members....	Hon. Mem. Am. Soc. M. E.
For Members	Mem. Am. Soc. M. E.
For Associates.....	Assoc. Am. Soc. M. E.
For Associate-Members....	Assoc. Mem. Am. Soc. M. E.
For Juniors	Jun. Am. Soc. M. E.

B 41 Standards for the conduct of the business affairs of the Society, of its professional or business meetings and of its Committees and their activities may be established, amended or annulled by a two-thirds vote of the members of the Council present at a meeting, provided that a

written notice of the proposed addition or change may have been given at a previous meeting of the Council, and provided further that the Secretary shall have sent to each member of the Executive Committee (acting as a Committee on Standards) a draft of the proposed addition or change at least two weeks prior to the meeting at which they are to be voted on.

B 42 Directions for the conduct of the business affairs of the Society may be established by the Secretary and the work covered shall be carried out as provided by these Directions. These Directions may be added to, amended or annulled by the Secretary, but it shall be his duty to send to each member of the Executive Committee (acting as a Committee on Standards) a draft of the change before it is put into effect.

RESEARCH COMMITTEE

B 43 There shall be a Standing Research Committee which shall consist of five Members, Associates, Associate-Members or Juniors. The term of office of one member of the committee shall expire at the end of each Annual Meeting.

(a) This Committee shall have supervision of such research or investigations as may be directed or approved by the Council; shall correspond and collaborate with committees of kindred technical, scientific or other societies; shall keep in touch with researches conducted in other countries, which are of value to the engineer, and shall report the same quarterly to the Council.

(b) The Committee will be expected to maintain a system of announcement of results of research, and the trend of investigations, in any field, which will be of value to the engineering profession.

(c) Gifts or bequests to the Society for the conduct of research or investigation shall be expended under the direction of the Council and shall be kept separate from other Society funds.

COMMITTEE REPORTS

B 44 All written reports of all committees shall be presented to the Council. Each written report of every Committee must be approved in writing by at least a majority of the members of that Committee, before it is presented to the Council. A member of a Committee who disagrees with the action of a majority of that Committee may express his disagreement over his signature, either on the report of the Committee or in a minority report. The minority report of any member of a Committee if offered, shall be presented at the same time that the report of that Committee is presented to the Council.

All reports of Committees must be first received by the Council who shall prescribe the manner in which they shall be presented to the Membership of the Society and be made public and printed.

PUBLIC RELATIONS COMMITTEE

B 45 There shall be a Standing Public Relations Committee to consist of five persons who may be members in any grade. The term of office of one member of the Committee shall expire at the end of each Annual meeting.

It shall be the duty of the Committee to consider and report to the Council its recommendations covering any matters which may be referred to it bearing upon the relations of the engineer as a man of science to the community in which he lives.

COMMITTEE ON STANDARIZATION

B 46 There shall be a Standing Standardization Committee to consist of five Members of the Society. The term of office of one member of the Committee shall expire at the end of each annual Meeting. It shall be the duty of this Committee:

(a) To formulate and revise standards of principal, method of procedure, in engineering practice.

(b) To coöperate with like Committees of bodies of kindred aim, or with members of the Society, in the formulation and revision of standards; or to appoint under approval of the Council Committees of experts in specialized subjects to coöperate with them. The Chairman may represent the Committee on Standardization in any conferences.

(c) To report to the Council with its recommendation any formulated standards for its approval, and when approved to present and recommend such standards to the meetings of the Society, and secure this publication in the Journal and Transactions of the Society.

PROFESSIONAL SECTIONS

B 47 (a) A professional section of the Society shall consist of Honorary Members, Members, Associates, Associate-Members and Juniors of The American Society of Mechanical Engineers and of other persons to be designated Affiliates as hereinafter described.

(b) A professional section of The American Society of Mechanical Engineers may, with the approval of the Council, be organized for the consideration of any engineering, scientific, or professional topic, provided that a number satisfactory to the Council, of Members of The American Society of Mechanical Engineers, unite in making written request for such an organization. Such a section shall be designated as — Section of The American Society of Mechanical Engineers,—the blank being filled by the topic specialized.

(c) The provisions of the Constitution, By-Laws and Rules of The American Society of Mechanical Engineers, and the precedents of the Society with respect to professional sessions for the discussion of papers, shall cover the procedure of the professional sections except that no meeting of a section shall be considered a meeting of the Society as a whole.

(d) For the convenient conduct of its professional affairs the section shall organize an Executive Committee of five members of the Society, under the general direction of the Council. Such officers as the section shall require must be selected from the membership of the Society. Other committees of the section shall be appointed by its Executive Committee.

(e) The Executive Committee of the section subject to the approval of the Secretary of the Society, shall designate a Secretary of the section of the Society whose duties shall be those usually attaching to the Secretary of a professional section, and who shall also see that the discussions of papers are satisfactorily reported and transmitted to the Secretary of the Society.

(f) Expenditures for the purpose of a section chargeable to the Society must be authorized by the Secretary of the Society before they are incurred, and must be provided for in the budget approved by the Council. No liability otherwise incurred shall be binding on the Society. Any expenditure not so provided must be met by the section itself.

(g) Engineers and others not members of The American Society of Mechanical Engineers, but desiring to participate in the meetings of the section may enroll themselves as Affiliates as heretofore provided, with

the approval of the Executive Committee of the section. Such Affiliates shall have the privilege of presenting papers and taking part in the discussions. They shall pay five dollars (\$5) per annum, which shall be due and payable in advance on October 1 of each year of their enrollment, and shall thereby be entitled to receive the regular issues of The Journal for a period covered by such subscription.

(h) The Council of The American Society of Mechanical Engineers may, at sixty days' notice, suspend or disband any section.

LOCAL SECTIONS

B 48 Committee on Local Sections: The Committee on Local Sections shall consist of five Members, Associates or Associate-Members. The term of office of one member of the Committee shall expire at the end of each Annual Meeting.

It shall be the duty of the Committee to confer with the officers and members of the Local Sections and to consider, and make recommendations to the Council upon all matters affecting the welfare of the Local Sections. It shall confer with the Finance Committee as to the appropriation for the expenses of Local Sections in each annual budget of the Society, and shall determine the portion of that appropriation which shall be allotted to each Local Section. The Committee shall have such other duties as may be given to it by the Council.

B 49 Local Sections: (a) Formation of a Section. When a number of the membership of The American Society of Mechanical Engineers in any territory desire to form a Local Section, a preliminary meeting shall be called and notice sent to the entire membership of the Society residing in that territory. At this preliminary meeting a petition for the formation of a Local Section, containing suggestions as to the territory to be included in the Section, shall be presented, and if adopted shall be sent to the Committee on Local Sections for presentation to the Council with its recommendation. This petition shall be signed by such of the membership of the Society residing in the territory as favor the formation of such Section.

If the formation of a Local Section be approved by the Council, a meeting of the signers of the petition shall be held for organization and to elect a Local Committee of at least five from among the Section members. This Local Committee shall have charge of and be responsible for the proceedings of the Local Section.

(b) Territory of a Section. The territory of a Section shall include the locality naturally tributary thereto.

(c) Name of a Section. A Section shall be known as The (name of place) Section of THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS.

(d) Membership of a Section. All members in every grade of the Society residing in the territory of a local Section shall be Section Members of that Local Section. A member of the Society shall be entitled to vote or hold office in one Local Section only.

Any other person interested in engineering may be invited by the Local Committee to join its Section as a Local Member, but he shall not have the right to vote or hold office. Such Local Member shall pay dues to the Section not to exceed \$5.00 per annum, which shall be due and payable in advance on October 1 of each year of his enrollment. Local Members shall not be considered in the allotment of expenses to the Section.

Members of Student Branches living in the territory of a Local Section shall be entitled to receive notices of and to attend all meetings of that

Section for the period of two years after graduation. Such graduates shall be counted as members of a Local Section in the consideration of the allotment for expenses of that Section.

(e) Activities of a Section. The principal activity of a Local Section shall be the holding of meetings for the presentation and discussion of papers relating to engineering and to the allied arts and sciences; it may also hold meetings for social intercourse.

(f) Meetings and Papers of Sections. The provisions of the Constitution, By-Laws and Rules of The American Society of Mechanical Engineers, and the precedents of the Society with respect to professional sessions for the discussion of papers, shall govern the procedure of the Local Sections, except that no meeting of a Section shall be considered a meeting of the Society as a whole.

Papers read before a Local Section shall be submitted to the Committee on Publication and Papers of the Society for possible publication in The Journal. The Committee on Meetings of the Society may select from among the papers presented before the Local Sections any paper for presentation before meetings of the Society. A Local Section shall not publish or permit to be published under the authority of the Section any paper as presented before that Section in whole or in part without first obtaining the approval of the Committee on Publication and Papers.

(g) Coöperation of Local Sections. A Local Section of the Society may arrange to hold joint meetings with other local engineering organizations, and may invite members of such organizations to attend its meetings.

A Local Section may affiliate with existing local engineering organizations, or form jointly with them new local engineering organizations, but the plan of such affiliation or organization, and the obligations assumed by the Local Section and the Society thereby, shall first be approved by the Council.

A Section may take action in any undertaking having the approval of the Section, and may coöperate in such action with any other local organization.

(h) Delegates of Sections. Each Local Section shall have the privilege of representation at the Annual Meeting of the Society by one official delegate. Such delegate, the chairman, if possible, may have such portion of his expenses for transportation to the meeting refunded by the Society as the Committee on Local Sections may direct.

(i) Management of Sections. All Local Sections shall be managed in conformity with the Constitution, By-Laws, and Rules of the Society.

Each Local Section shall be managed by a Local Committee of at least five members, consisting of a Chairman, a Secretary, and such other officers as may be found desirable. Such officers shall be elected by ballot from the membership of The American Society of Mechanical Engineers who are members of the Local Section. They shall be elected before June 1 of each year, and shall take office on July 1.

The Chairman of each Local Section shall receive notices and have the privilege of attending all meetings of the Committee on Local Sections.

The Secretary of each Local Section shall report the Proceedings of that Section to the Secretary of the Society. He shall discharge the duties of Secretary of the Section, and shall perform such other duties as may be prescribed by the Local Committee.

(j) Appropriation for Sections. Appropriation by the Council for the use of Local Sections shall be used for expenses incurred in holding their professional meetings.

Expenditures chargeable to the Society for purposes of any Local

Section must be provided for in the annual budget approved by the Council. No liability otherwise incurred shall be binding upon the Society.

An allotment for a Local Section may be drawn by its Committee as desired, provided that not more than one-half of the total yearly allotment shall be drawn between October 1 to February 1, and that an itemized account of its expenditures during that period shall be rendered to the Secretary of the Society before the remaining amount of the appropriation can be drawn, and provided also that the remainder of the allotment shall be drawn only during the remaining half of the fiscal year, and that an accounting of the second half shall be rendered at the end of the fiscal year.

(k) Stationery for Sections. All Sections shall use only such uniform stationery as shall be supplied by the Secretary of the Society.

(l) Disbanding of a Section. The Council of The American Society of Mechanical Engineers, may on sixty days' notice, suspend or disband any Local Section.

COMMITTEE ON CONSTITUTION AND BY-LAWS

B 50 The Committee on Constitution and By-Laws shall consist of five persons who shall be members of the Society.

The term of office of one member of the Committee shall expire at the end of each Annual Meeting.

It shall be the duty of the committee to consider and report on all matters relating to the Constitution, By-Laws and Rules of the Society which shall be referred to it.

COMMITTEE ON THE WASHINGTON AWARD

B 51 The Committee on the Washington Award shall consist of two members appointed by the Council to serve for a term of two years. The term of office of one member of the Committee shall expire at the close of the Annual Meeting of the Society in each year. The appointment to fill a vacancy shall be made before January first in each year.

This Committee shall coöperate with the Western Society of Engineers in selecting the recipient of the Washington Award which is to be presented annually to an engineer who has contributed preeminent service in promoting the public good.

RULES

R 1 The Secretary's office shall be open on business days from 9 a.m. to 5.30 p.m. During the Annual Meeting, the office shall be open from 9 a.m. to 10 p.m. A register shall be kept for each regular meeting, to record the attendance of members and guests.

R 2 The Secretary shall provide a badge or pin for each member or guest attending the Annual and Semi-Annual Meetings; the badge of each Member, Associate, Associate-Members and Junior to bear his name.

R 3 The Secretary shall, at each regular meeting of the Society, distribute at the headquarters a printed list of the names registered at the meeting.

R 4 Papers accepted by the Committee on Meetings shall be classified as follows:

(a) Papers valuable for record, but not suitable for presentation at a meeting, which will be referred to the Publication Committee with the recommendations of the Committee on Meetings.

(b) Papers requiring either advance publication or printing and distribution in pamphlet form, either in full or in abstract, for discussion at a meeting.

Papers of this class the Committee on Meetings may either turn over at once to the Publication Committee for advance publication in The Journal if approved by that Committee; or it may have printed in pamphlet form a sufficient number of copies for distribution at a meeting, for mailing in advance to those who may discuss the paper and to others who may desire copies because of publication of the title or an advance abstract of the paper in The Journal.

(c) Papers which require discussion at a meeting to determine their value and general interest.

Papers of this class may be accepted by the Committee on Meetings, but should not be put in type until they have been read and discussed.

The Committee on Meetings may, in its discretion, select papers for the Annual or Semi-Annual Meetings which have already been presented and discussed before local meetings of the Society.

A member may by letter signify his intention to discuss any of the papers, and unless otherwise directed by the Presiding Officer, priority in debate shall be given in the order of the receipt by the Secretary of such notification.

R 5 At professional sessions, each paper shall be read by abstract only, ten minutes being allowed to the author for the presentation unless otherwise ordered by the meeting.

R 6 A member who has given notice of his intention to discuss a paper, and shall have reduced his discussion to writing, shall be entitled to ten minutes for its presentation.

R 7 Each speaker shall be limited to five minutes in the oral discussion of a paper unless the time should be extended by unanimous consent. A member who has once had the floor cannot claim it again until all the others have been heard who desire to speak on that paper. Authors may have five minutes to close the discussion on the paper.

R 8 Members unable to attend the meeting may send a discussion of any paper in writing, to be presented by the Secretary.

R 9 The Committee on Meetings shall deliver to the Secretary such

papers as they recommend for presentation to the professional meetings of the Society.

R 10 The Secretary shall have sole possession of papers and illustrations between the time of their approval by the Committee on Meetings and their presentation to the professional session of the Society.

R 11 After the presentation and discussion of a paper, a copy of both shall be sent to the author, and, so far as possible, a copy of the reported discussion shall be sent to each member who presented it, with the request that he correct errors or omissions, and return the same promptly to the Secretary.

R 12 Members may order reprints of papers at a price sufficient to cover the cost to the Society, provided that said copies are not for sale.

R 13 The features of the program outside of the professional and business sessions to be provided for the members and guests at any meeting of this Society in any city shall be in charge of a Local Committee, subject, however, to the general approval of the Committee on Meetings. The President's reception of the Annual Meeting shall be in charge of the House Committee under the general supervision of the Committee on Meetings.

R 14 A member may invite a non-member to the professional sessions of the meeting, but the guest shall not take part in the proceedings without an invitation from the Presiding Officer. Invitations to guests of members for the entertainments provided for the Society shall be at the discretion of the Local Committee.

R 15 The Library of the Society shall be conducted as a free public reference Library of engineering and the allied arts and sciences. It will be open on all week days between the hours of 9 a.m. and 9 p.m., except New Year's, Independence, Thanksgiving and Christmas Days. The rooms of the Society shall be open for the use and the convenience of members during the usual business hours.

R 16 The American Society of Mechanical Engineers will furnish monthly issues of The Journal to all members of affiliated organizations who are not members of The American Society of Mechanical Engineers upon the payment by each of two dollars per year, such payment being due January 1 of each year. The American Society of Mechanical Engineers will furnish gratis to each affiliated body, extra copies of advance papers for use at its meetings, the number furnished to be agreed upon at the discretion of the Secretary.

STUDENT BRANCHES

R 17 The name of this Association shall be "_____ Affiliated with The American Society of Mechanical Engineers"; or, the "_____ Student Branch of The American Society of Mechanical Engineers."

R 18 The basis of such an affiliation shall be the independence, autonomy and self-control of each affiliated body under its own by-laws, subject to such limitation as may be set by the Council.

R 19 Each Affiliated society shall furnish to the Secretary of The American Society of Mechanical Engineers, satisfactory reports of discussions and business transacted at its meetings; also copies of all papers and addresses presented.

R 20 Upon recommendation of each affiliated society, the President of The American Society of Mechanical Engineers, after conference with the Secretary of the Society, shall appoint a member of the latter body to be Honorary Chairman of each affiliated society, for each year. Such Honorary Chairman shall be ex-officio, a member of the Governing Committee of said affiliated society.

R 21 The Presiding Officer chosen by each affiliated society shall be styled Chairman of the _____ Affiliated with The American Society of Mechanical Engineers; or, Chairman of the _____ Student branch of The American Society of Mechanical Engineers.

R 22 The affairs of the affiliated society shall be managed by a governing committee of at least three members, besides the Honorary Chairman.

R 23 The names which designate any committees appointed by the affiliated societies shall be different from the names of corresponding committees of The American Society of Mechanical Engineers.

R 24 The affiliated society shall have the privilege of having printing done by The American Society of Mechanical Engineers at cost. Where the affiliated society desires to publish any papers in local journals or elsewhere, it shall first ascertain that The American Society of Mechanical Engineers does not itself desire to publish such paper and the privilege of priority in publication shall always be the right of The American Society of Mechanical Engineers. The affiliated society shall claim no exclusive copyright upon such papers.

TELLERS

R 25 The Tellers of Election in counting the ballots for officers shall consider a ballot for an officer as valid, providing the intent of the voter as to that particular office is clear, even though his ballot as to candidates for another office may for any reason be invalid.

AFFILIATED SOCIETIES

R 26 Any regularly organized group of engineers or engineering society, which by Constitution, By-Laws and practice, is in accord with the traditions and aims of The American Society of Mechanical Engineers, may secure affiliation on approval by the governing boards of each Society.

R 27 The term "affiliated with The American Society of Mechanical Engineers" shall not be used officially or by individual members until specific approval has been secured by each governing board, nor shall such term be used by either after the relation of affiliation has terminated.

R 28 An affiliated society shall have independence, autonomy and self-control under its own constitution and by-laws, unimpaired by its relation with The American Society of Mechanical Engineers.

R 29 The American Society of Mechanical Engineers shall not be responsible for any act of an affiliated society.

R 30 Printing for an affiliated society will be done at cost; this applies also to the printing in pamphlet form of advance copies of all papers presented before The American Society of Mechanical Engineers and such papers as may be desired for meetings of an affiliated society. The Society may print in The Journal any papers and discussions presented before an affiliated society, which the Publication Committee of The American Society of Mechanical Engineers may select.

R 31 The members of an affiliated society shall have the right to subscribe and receive The Journal on the same terms as other affiliates of The American Society of Mechanical Engineers.

R 32 The relation of affiliation with any organization may be terminated by either party upon sixty days' notice, given in writing by the governing body of either society, to that of the other.

PRIZES FOR JUNIOR MEMBERS

R 33 The Council shall appoint annually, not later than its regular meeting in January a Committee on Award of Junior Prizes which shall

consist of a representative of the Committee on Meetings with one vote, a representative of the Publication Committee with one vote, and one other member of the Society not a member of the Council.

R 34 The Secretary shall act as Secretary to the Committee without vote.

R 35 The duty of this committee shall be to examine all papers by Junior Members received by the Society during the year ending June 30, and report to the Council on or before October 1, which of these papers, if any merits the award of the Junior Prize.

R 36 The findings of the committee shall be final. Prizes shall be awarded by the Council. The award shall be announced and presented at the Annual Meeting in December and the notice shall be published in The Journal in January.

R 37 The prize shall consist of a cash amount, with an engraved certificate signed by the President and Secretary of the Society.

R 38 The Rules of Award shall be as follows:

(a) The competition shall be restricted to Junior Members of the Society in good standing.

(b) The prize shall be awarded for the best paper, adjudged from the standpoints of originality of matter, applicability (practical or theoretical), value as a contribution to mechanical-engineering literature, logical development of contents, conclusiveness, completeness and conciseness.

(c) Papers to be eligible for competition, must have been produced by their authors without assistance, and must not have been previously contributed to nor published by any other society or technical publication, in whole or in part. Presentation before a meeting of, or publication by this Society during the year of the competition, shall not be construed as making a paper ineligible.

(d) These rules may be modified by the Council, without notice.

PRIZES FOR STUDENT-BRANCH MEMBERS

R 39 The Council shall appoint annually, not later than its regular meeting in January, a Committee on Award of Student Prizes, which shall consist of a representative of the Publication Committee with one vote, a representative of the Committee on Meetings with one vote, and one other member of the Society not a member of the Council.

R 40 The Honorary Presidents of the Student Branches of the Society may act as advisory members on this Committee, but without vote.

R 41 The Secretary shall act as secretary to the Committee without vote.

R 42 The duty of this Committee shall be to examine all papers by members of Student Branches received by the Society during the year ending June 30, and report to the Council on or before October 1, which of these papers, if any, merit the award of Student Prizes.

R 43 The findings of the committee shall be final. Prizes shall be awarded by the Council. The awards shall be announced and presented at the Annual Meeting, in December, and the notice shall be published in The Journal in January.

R 44 The two prizes shall each consist of a cash amount, with an engraved certificate signed by the President and Secretary of the Society.

R 45 The Rules of Award shall be as follows:

(a) The competition shall be restricted to enrolled members of the Student Branches of the Society in good standing.

(b) The prizes shall be awarded for the two best papers, adjudged from the standpoints of applicability (practical or theoretical), value as a

contribution to mechanical-engineering literature, completeness, originality of matter, and conciseness.

(c) Papers to be eligible for competition must have been produced by their authors without assistance and must not have been previously contributed to nor published by any other society or technical publication in whole or in part. Presentation before a meeting of, or publication by this Society or by any of its Student Branches during the year of the competition shall not be construed as making a paper ineligible.

(d) These rules may be modified by the Council, without notice.

THE AMERICAN SOCIETY OF
MECHANICAL ENGINEERS

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